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ABSTRACT

The Measurement and Evaluation Center coordinates credit by examination at the University of Texas at Austin. Credit earned by examination is equivalent to credit earned by taking the course, but cannot be counted as credit earned in residence. To receive credit by examination, the student must also meet all other conditions of eligibility established by the university and its departments. This report presents results of the testing programs for the April 1991 through March 1992 testing year. In this year, eight colleges or schools participated in the credit-by-examination program. Evaluations of 26,618 test scores in 48 subject areas in 31 departments or divisions are recorded, representing tests taken by 11,387 participants. Of these students, 8,008 (70 percent) earned credit for at least 1 course. In addition to departmental examinations, the university administers tests developed by the College Board to award credit, the College-Level Examination Program (CLEP) Subject Examinations, the College Board Achievement Tests, and the College Board Advanced Placement (AP) Examinations. Test results in 18 subject areas are reported alphabetically, with results from all 48 subject areas, information on the impact of the examinations on the participating schools, and comparisons with results from previous years of the credit by examination program reported in 85 tables. Five figures illustrate test results. (SLD)

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ED 362 550

# CREDIT BY EXAMINATION AT THE UNIVERSITY OF TEXAS AT AUSTIN 1991-1992

Susan S. Mahoney

SR-92-2 July 1993

Measurement and Evaluation Center
The University of Texas at Austin

TM020581

Table of Contents


Introduction . . . . . 1

Biology . . . . . 6

Chemistry . . . . . 8

Chinese . . . . . 13

Computer Sciences . . . . . 14

Economics . . . . . 18

English . . . . . 21

French . . . . . 26

German . . . . . 31

Government . . . . . 34

History . . . . . 36

Latin . . . . . 40

Management Information Systems . . . . . 43

Mathematics . . . . . 44

Physics . . . . . 49

Psychology . . . . . 54

Russian . . . . . 55

Sociology . . . . . 57

Spanish . . . . . 58

Summary . . . . . 63

# CREDIT BY EXAMINATION AT THE UNIVERSITY OF TEXAS AT AUSTIN
## 1991-1992

Susan S. Mahoney

The Measurement and Evaluation Center (MEC) coordinates credit by examination at The University of Texas at Austin. In administering the testing program, MEC implements policies made by the participating academic departments and the University.

Credit earned by examination at UT Austin is equivalent to credit earned by taking the course; however, credit by examination cannot be counted as credit earned in residence. Students or former students who earn credit by examination may petition at any time for the credit for which they are eligible. Other persons may claim their credit only after they are officially enrolled at UT Austin.

Credit by examination is not awarded if the student received college credit or a failing grade for the same course, or its equivalent, prior to taking the examination. To receive credit by examination, students must also meet all other conditions of eligibility established by the University, the schools/colleges, and the academic departments.

In this report, numbers relating to eligibility for credit are derived from comparisons of test scores with qualifying score ranges. Some students do not claim the credit for which they are eligible, and credit claimed by the students may or may not be reported by MEC to the Registrar in the testing year covered by this report.

This report covers the 1991-1992 testing year, which began, for purposes of this report, in April 1991 and continued through March 1992. Scores from the various testing categories were evaluated during those months, although some of the tests may have been administered prior to April 1991.

During the 1991-1992 testing year, eight colleges/schools at UT Austin participated in the credit-by-examination program. Evaluations of 26,618 test scores, covering 48 subject areas taught in 31 departments/divisions, are recorded in this report. Because many students took more than one test, the total number of tests exceeds the actual number of persons who attempted to earn credit by examination. There were 11,387 participants in the credit-by-examination program during the year; 8,008 (70%) of those persons earned credit for at least one course, with 14,367 qualifying test scores generating a total of 72,776 semester hours of credit eligibility.

The four common groupings in the number of tests students took during the testing year are listed below.

- 4,637 (41%) students took one test.
- 2,889 (25%) students took two tests.
- 1,813 (16%) students took three tests.
- 2,048 (18%) students took four or more tests.

Typical patterns of the tests taken by students during 1991-1992 are as follows:

- 2,670 (23%) students took only one test other than the College Board Achievement Tests in English Composition (ECT), Mathematics Level I/ Level II, or a foreign language test.
- 2,251 (20%) students took two tests: ECT and Mathematics Level I/Level II.
- 1,640 (14%) students took only a foreign language test.
- 1,056 (9%) students took three tests: ECT, Mathematics Level I/Level II, and a foreign language test.
- 1,150 (10%) students took three tests: ECT, Mathematics Level I/Level II, and some test other than a foreign language test.
- A large group of 2,620 (23%) students who took at least one test in a pattern exclusive of those listed above.

Of the 11,387 individuals who participated in the credit-by-examination program during 1991-1992,

- 3,379 (30%) students earned no semester hours.
- 3,283 (28%) students earned 1 to 3 semester hours.
- 1,409 (12%) students earned 4 to 6 semester hours.
- 2,340 (21%) students earned 7 to 18 semester hours.
- 738 (6%) students earned 19 to 30 semester hours.
- 238 (2%) students earned more than 30 semester hours; one student took eight tests and accumulated 89 semester hours.

UT Austin's program of credit by examination comprises six different categories of test administrations. This report documents UT Austin institutional administrations; UT Austin

departmental administrations; and national administrations of College Board College-Level Examination Program (CLEP) Subject Examinations, College Board Achievement Tests, and College Board Advanced Placement (AP) Examinations. There is no information in this report on the sixth category, the International Baccalaureate Higher-Level Examinations.

## UT Austin Institutional Administrations

UT Austin institutional administrations have the greatest impact on the credit-by-examination program. The following three criteria define this testing category and distinguish it from both UT Austin departmental administrations and national testing administrations:

1. The tests are administered at UT Austin by MEC at scheduled times,
2. The tests are scored at UT Austin, and
3. Fees for the tests are paid to UT Austin.

The tests are of three types: UT Austin Tests for Credit constructed locally by certain academic departments, College Board Achievement Tests, and College Board CLEP Subject Examinations.

Administration of the tests takes place in testing periods preceding each registration period and during the summer orientation sessions. In addition, individually administered test sessions are held at the request of the departments, or by MEC, for special reasons.

## UT Austin Departmental Administrations

A registered student may apply to take an examination for credit in any undergraduate course offered by the University. UT Austin departmental administrations, given on an individual basis, are designed to meet the needs of this University policy.

Application forms for the departmental examinations are available at the MEC. On the application, the student must state why she/he is qualified to take the test. Before the examination is given, the application must be approved by the chairman or program director of the department in which the course is offered and by the dean of the college or school in which the student is enrolled.

These tests are not given on a regular schedule. After the application is approved, a faculty member administers the test. The examination is graded by the department, maintaining the same level of achievement on the test as that required to pass the University course satisfactorily. To be eligible for credit, a student must make a grade of *C* or higher.

After the examination is graded, the application form is returned to the Measurement and Evaluation Center. If credit has been earned, MEC reports the credit to the Registrar's office with a letter grade or with credit only, as directed by the student.

## National Administrations of College Board Tests

In national administrations of College Board tests, the examinations are available on common dates at designated test centers throughout the nation. After the national administration has been completed, test materials are returned to the Educational Testing Service (ETS). The tests are scored by ETS, and the scores are reported to the institutions designated by the student. UT Austin uses scores on specific tests from national administrations of three College Board testing programs: CLEP Subject Examinations, Achievement Tests, and Advanced Placement Examinations.

The CLEP examinations are usually administered in colleges and universities throughout the country. The Measurement and Evaluation Center serves as one of the national test centers for the College-Level Examination Program in addition to offering certain CLEP Subject Examinations in institutional testing. CLEP examinations are available through national administrations each month.

The College Board Advanced Placement Examinations are administered nationally once a year in May. National administrations of the College Board Achievement Tests are scheduled five times during the academic year. For both programs, high schools typically serve as test centers.

## Test Fees

A variety of test fees is paid by candidates for credit by examination. For UT Austin students, the fees may vary depending on whether the tests are taken as part of a national program or in an institutional administration.

### UT Austin Institutional Administrations

| | | |
|---|---|---|
| UT Austin Tests for Credit: | Required tests: | $30.00 per test |
| | Optional tests: | $45.00 per test |
| College Board Achievement Tests: | | $30.00 per test |
| College Board CLEP Subject Examination: | | $38.00 per test |

UT Austin Departmental Administrations

Required tests: $38.00 per test

Optional tests: $45.00 per test

National Administrations of College Board CLEP Subject Examinations

$38.00 per test

National Administrations of College Board Achievement Tests

Between October 1, 1990, and September 1, 1991, the fee was $21.00 for one, two, or three Achievement tests taken on the same date.

National Administrations of College Board Advanced Placement Examinations

May, 1991, $65.00 per examination

Test results in 18 subject areas are reported alphabetically in the next section. Documentation of test results in all 48 subject areas, the overall impact of credit by examination on the eight participating schools/colleges, and comparisons of 1991-1992 test results with results from preceding years in UT Austin's credit-by-examination program are available in the summary section of this report.

## BIOLOGY

### Biology 302, 303, and 304: Introductory Courses in the Biological Sciences

Two different tests are used at UT Austin to award credit by examination in biology: the College Board Advanced Placement (AP) Examination in Biology and the UT Austin Test for Credit in Biology. A student must have fewer than six semester hours -- whether with passing or failing grades -- in the life sciences (biology, biochemistry, botany, microbiology, zoology) to be eligible for credit.

The College Board Advanced Placement Examination in Biology allows one hour and 30 minutes of working time on the objective portion and an additional 90 minutes on the essay portion. An AP Biology score of 5 qualifies for all three biology courses with the grade of *A* in each course. A score of 4 merits the grade of *B* in Biology 302 and Biology 304, while a score of 3 generates credit with the grade of *C* in Biology 302 and Biology 304. Scores of 2 or 1 are not awarded credit.

The UT Austin Test for Credit in Biology, locally constructed, is entirely objective and allows three hours of working time. It is possible to earn credit for any combination of the three introductory courses.

Table 1 shows the numbers and percentages of test scores evaluated, test scores generating eligibility, and grades awarded for each of the three biology courses: Biology 302--*Cellular and Molecular Biology*, Biology 303--*Structure and Function of Organisms*, and Biology 304--*Environmental and Population Biology*. Because of the possibility of earning credit for multiple courses, the numbers shown under each individual course will not be equal to the numbers shown as generating credit.

The 119 scores from institutional administrations represent 31% of the biology scores evaluated; 41 institutional scores merited credit. Conversely, the 264 scores received from national administrations of the Biology AP examination constituted 69% of the scores evaluated. The 206 AP scores meriting credit produced 1,419 semester hours of credit eligibility.

Table 2 presents a summary, by combination of courses, of credit earned by examination in biology during the 1991-1992 testing year. The numbers and percentages of test scores are displayed, as well as the number of semester hours of credit eligibility. A total of 383 scores was evaluated during the year; 247 of the tests accrued a total of 1,572 semester hours of credit eligibility. Sixty-two students earned credit for all three of the introductory biology courses.

Table 1
Credit by Examination: Biology
1991-1992

| Test | Test Scores Evaluated | Test Scores Generating Eligibility | Course and Grade 302 A | 302 B | 302 C | 303 A | 303 B | 303 C | 304 A | 304 B | 304 C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| UT | 119 | 41 | 0 | 1 | 8 | 0 | 1 | 0 | 1 | 12 | 28 |
| AP | | | | | | | | | | | |
| 5 | 61 | 61 | 61 | 0 | 0 | 61 | 0 | 0 | 61 | 0 | 0 |
| 4 | 81 | 81 | 0 | 81 | 0 | 0 | 0 | 0 | 0 | 81 | 0 |
| 3 | 64 | 64 | 0 | 0 | 64 | 0 | 0 | 0 | 0 | 0 | 64 |
| 2,1 | 58 | 0 | – | – | – | – | – | – | – | – | – |
| Total | 383 | 247 | 61 | 82 | 72 | 61 | 1 | 0 | 62 | 93 | 92 |

Table 2
Summary of Credit by Examination in Biology
1991-1992

| Combination of Courses | Test Scores Evaluated N | Test Scores Evaluated % | Semester Hours of Credit Eligibility N | Semester Hours of Credit Eligibility % |
|---|---|---|---|---|
| 302, 303, 304 | 62 | 16 | 558 | 35 |
| 303, 304 | 0 | 0 | 0 | 0 |
| 302, 304 | 153 | 40 | 918 | 58 |
| 302, 303 | 0 | 0 | 0 | 0 |
| 304 | 32 | 8 | 96 | 6 |
| 303 | 0 | 0 | 0 | 0 |
| 302 | 0 | 0 | 0 | 0 |
| Total eligible | 247 | 64 | 1,572 | 101* |
| Not eligible | 136 | 36 | 0 | 0 |
| Total | 383 | 100 | 1,572 | 101* |

* This figure differs from 100% because of rounding.

## CHEMISTRY

Five different tests are used to award credit by examination in chemistry at UT Austin: the UT Austin Tests for Credit in Chemistry 304K, 301, 302, and 305, and the College Board Advanced Placement Examination in Chemistry. The results of each of the five tests are documented in Tables 3 through 7. The numbers and percentages of test scores evaluated, letter grades awarded, and semester hours of credit eligibility are presented. In addition, Table 8 summarizes the results of the credit-by-examination program in chemistry during the 1991-1992 testing year.

During the time period covered by this report, 1,147 chemistry tests were evaluated; 669 of these scores merited a total of 2,225 semester hours of credit eligibility. The Measurement and Evaluation Center administered 979 (85%) tests on the UT Austin campus. Two tests were given by the Department of Chemistry, with the remaining 166 test scores reported to the MEC from national administrations of the AP Examination in Chemistry.

The UT Austin Test for Credit in Chemistry 301 had the largest volume of test scores -- 488, 43% of the test scores evaluated. There were 148 Chemistry 301 tests that generated credit eligibility resulting in 444 semester hours of credit. Thirty percent of the students who tried to earn credit by means of this test were successful in their attempts.

The UT Austin Test for Credit in Chemistry 305 ranked first in terms of semester hours generated. This test had 257 scores meriting credit with 771 semester hours of eligibility accruing. Ninety-two percent of the Chemistry 305 scores merited credit.

### Chemistry 304K: *Introduction to Chemistry*

The UT Austin Test for Credit in Chemistry 304K, constructed locally by the UT Austin Department of Chemistry, allows one hour and 15 minutes of working time. The test is administered only on the UT Austin campus.

Eligible to take this optional test are individuals who have not taken the test previously and have neither a passing nor a failing grade for Chemistry 304K.

Table 3
Credit by Examination in Chemistry 304K: UT Austin
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 58 | 36 | 174 |
| With grade of *B* | 58 | 36 | 174 |
| With grade of C | 35 | 22 | 105 |
| Total eligible | 151 | 94 | 453 |
| Not eligible | 9 | 6 | 0 |
| Total | 160 | 100 | 453 |

Chemistry 301: *Principles of Chemistry I*

The UT Austin Test for Credit in Chemistry 301, constructed locally by the UT Austin Department of Chemistry, allows one hour and 15 minutes of working time. The test is administered only on the UT Austin campus.

Individuals who have not taken the test previously and have neither a passing nor a failing grade for Chemistry 301 or its equivalent are eligible to take the examination.

The test is required of students who plan to work toward a Bachelor of Science degree in chemistry, physics, or chemical engineering, who studied chemistry in high school, and who do not already have credit for Chemistry 301 or its equivalent. Other engineering majors and candidates for a Bachelor of Arts degree in physics are encouraged to take the test if they have sufficient background. The test is appropriate for other students with a strong background in high school chemistry.

Table 4
Credit by Examination in Chemistry 301: UT Austin
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 41 | 8 | 123 |
| With grade of *B* | 51 | 10 | 153 |
| With grade of *C* | 56 | 11 | 168 |
| Total eligible | 148 | 30* | 444 |
| Not eligible | 340 | 70 | 0 |
| Total | 488 | 100 | 444 |

* Because of rounding, this figure differs from that obtained by addition of the above three figures.

Chemistry 302: *Principles of Chemistry I*

The UT Austin Test for Credit in Chemistry 302, constructed locally by the UT Austin Department of Chemistry, allows one hour and 15 minutes of working time. The test is administered only on the UT Austin campus.

Eligible to take this optional test are individuals who have not taken the test previously and have neither a passing nor a failing grade for Chemistry 302 or its equivalent.

Table 5
Credit by Examination in Chemistry 302: UT Austin
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 11 | 21 | 33 |
| With grade of *B* | 18 | 34 | 54 |
| With grade of *C* | 10 | 19 | 30 |
| Total eligible | 39 | 74 | 117 |
| Not eligible | 14 | 26 | 0 |
| Total | 53 | 100 | 117 |

Chemistry 305: *Fundamentals of General and Organic Chemistry*

The UT Austin Test for Credit in Chemistry 305, constructed locally by the UT Austin Department of Chemistry, allows one hour and 15 minutes of working time. The test is administered only on the UT Austin campus.

Eligible to take this optional test are individuals who have not taken the test previously and have neither a passing nor a failing grade for Chemistry 305 or its equivalent.

Table 6
Credit by Examination in Chemistry 305: UT Austin
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 54 | 19 | 162 |
| With grade of *B* | 108 | 39 | 324 |
| With grade of *C* | 95 | 34 | 285 |
| Total eligible | 257 | 92 | 771 |
| Not eligible | 21 | 8 | 0 |
| Total | 278 | 100 | 771 |

Chemistry 301 and 302

The College Board Advanced Placement (AP) Examination in Chemistry allows 90 minutes of working time for the objective portion of the test with an additional 90 minutes allotted for the essay/free response portion of the examination.

For a College Board AP score of 5, the student is awarded the letter grade of *A* for both Chemistry 301 and Chemistry 302. An AP score of 4 merits credit only for both courses; there is no letter grade attached. Chemistry AP scores of 3, 2, and 1 are not eligible for credit at UT Austin.

Table 7

Credit by Examination in Chemistry 301 and 302: AP Chemistry

1991-1992

| AP Score | Test Scores Evaluated | Test Scores Generating Eligibility | Grade | | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|
| | | | *A* | *Credit* | |
| 5 | 33 | 33 | 33 | -- | 198 |
| 4 | 40 | 40 | -- | 40 | 240 |
| 3, 2, 1 | 93 | 0 | -- | -- | 0 |
| Total | 166 | 73 | 33 | 40 | 438 |

Table 8

Summary of Credit by Examination in Chemistry

1991-1992

| Test and Course(s) | Test Scores Evaluated | | Test Scores Generating Eligibility | | Semester Hours of Credit Eligibility | |
|---|---|---|---|---|---|---|
| | N | % | N | % | N | % |
| UT: CH 304K | 160 | 14 | 151 | 23 | 453 | 20 |
| UT: CH 301 | 488 | 43 | 148 | 22 | 444 | 20 |
| UT: CH 302 | 53 | 5 | 39 | 6 | 117 | 5 |
| UT: CH 305 | 278 | 24 | 257 | 38 | 771 | 35 |
| AP: CH 301, 302 | 166 | 14 | 73 | 11 | 438 | 20 |
| Departmental: | | | | | | |
| Miscellaneous | 2 | <1 | 1 | <1 | 2 | <1 |
| Total | 1,147 | 100 | 669 | 100 | 2,225 | 100 |

## CHINESE

Chinese 506, 507, 412K, 412L

The UT Austin Test for Credit in Chinese, locally constructed by the faculty members of the Department of Oriental and African Languages and Literatures, is divided into two sections -- a 20-minute taped listening portion and a 40-minute reading portion.

Individuals who have not taken this test previously are eligible to do so. The test is required of all students who have knowledge of Chinese, who have no college credit in Chinese, and who intend to enroll in a UT Austin Chinese course.

During the 1991-1992 testing year, the Measurement and Evaluation Center administered 294 Chinese tests; 282 tests merited credit. A total of 4,656 semester hours of credit eligibility was generated by this test.

Table 9
Credit by Examination in Chinese: UT Austin
1991-1992
(Number of Test Scores Evaluated: 294)

| Course | Test Scores Generating Eligibility | Grade A | Grade B | Grade C | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|
| 506 | 282 | 249 | 13 | 20 | 1,410 |
| 507 | 258 | 240 | 9 | 9 | 1,290 |
| 412K | 249 | 236 | 4 | 9 | 996 |
| 412L | 240 | 228 | 8 | 4 | 960 |
| Total | -- | -- | -- | -- | 4,656 |

Table 10
Summary of Credit by Examination in Chinese
1991-1992

| Combination of Courses | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility N | % |
|---|---|---|---|---|
| 506, 507, 412K, 412L | 240 | 82 | 4,320 | 93 |
| 506, 507, 412K | 9 | 3 | 126 | 3 |
| 506, 507 | 9 | 3 | 90 | 2 |
| 506 | 24 | 8 | 120 | 3 |
| Total eligible | 282 | 96 | 4,656 | 101* |
| Not eligible | 12 | 4 | 0 | 0 |
| Total | 294 | 100 | 4,656 | 101* |

* This figure differs from 100% because of rounding.

## COMPUTER SCIENCES

Three different tests are used to award credit by examination in computer sciences at UT Austin: the UT Austin Tests for Credit in Computer Sciences 304P and Computer Sciences 315, and the College Board AP Examination in Computer Science.

Tables 11 through 14 document the results of each of the tests. The numbers and percentages of test scores evaluated, letter grades awarded, and semester hours of credit eligibility are presented. In addition, Table 15 summarizes the results of the credit-by-examination program during the 1991-1992 testing year. A total of 278 test scores was evaluated during this time period with 148 eligible tests accruing 444 semester hours of credit eligibility.

### Computer Sciences 304P: *Computer Science I*

The UT Austin Test for Credit in Computer Sciences 304P, constructed locally by faculty members of the UT Austin Department of Computer Sciences, allows two hours of working time. The test is administered only on the UT Austin campus.

Individuals who have a score of 460 on the College Board Achievement Test in Mathematics Level I or three hours of college credit in a college mathematics course, who do not have credit in Computer Sciences 328, who do not have a passing or a failing grade in Computer Sciences 304P, and who have not taken the test previously are eligible to take this optional examination.

Table 11
Credit by Examination in Computer Sciences 304P: UT Austin
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 4 | 13 | 12 |
| With grade of *B* | 7 | 22 | 21 |
| With grade of *C* | 4 | 13 | 12 |
| Total eligible | 15 | 47* | 45 |
| Not eligible | 17 | 53 | 0 |
| Total | 32 | 100 | 45 |

* Because of rounding, this figure differs from that obtained by addition of the above three figures.

The three-hour College Board Advanced Placement Examination in Computer Science consists of a multiple-choice section and a free-response section. Two scores are possible on this examination: all candidates receive a score for Computer Science A and those who take the entire format receive a second score for Computer Science AB. If a student had both scores, the Measurement and Evaluation Center used the higher score to award credit for Computer Sciences 304P.

The Computer Science A scores merited the following credit eligibility:

| | |
|---|---|
| Score of 5 | CS 304P with a grade of *A* |
| Score of 4 | CS 304P with a grade of *B* |
| Scores of 3, 2 and 1 | No credit |

The Computer Science AB scores merited the following credit eligibility:

| | |
|---|---|
| Score of 5 | CS 304P with a grade of *A* |
| Score of 4 | CS 304P with a grade of *B* |
| Score of 3 | CS 304P with a grade of *C* |
| Scores of 2 and 1 | No credit |

The College Board AP Examination had 231 test scores reported to UT Austin from national administrations. One hundred thirty-one test scores from the AP program qualified for credit and produced 375 semester hours of credit eligibility.

Table 12
Credit by Examination in Computer Sciences 304P
AP Computer Science: A
1991-1992

| AP Score | Test Scores Evaluated | Test Scores Generating Eligibility | Grade A | Grade B | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|
| 5 | 36 | 36 | 36 | -- | 108 |
| 4 | 30 | 30 | -- | 30 | 90 |
| 3, 2, 1 | 72 | 0 | -- | -- | 0 |
| Total | 138 | 66 | 36 | 30 | 198 |

Table 13
Credit by Examination in Computer Sciences 304P
AP Computer Science: AB
1991-1992

| AP Score | Test Scores Evaluated | Test Scores Generating Eligibility | Grade A | Grade B | Grade C | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|---|
| 5 | 17 | 17 | 17 | -- | -- | 51 |
| 4 | 11 | 11 | -- | 11 | -- | 33 |
| 3 | 31 | 31 | -- | -- | 31 | 93 |
| 2, 1 | 34 | 0 | -- | -- | -- | 0 |
| Total | 93 | 59 | 17 | 11 | 31 | 177 |

Computer Sciences 315: *Computer Science II*

The UT Austin Test for Credit in Computer Sciences 315, constructed locally by faculty members of the UT Austin Department of Computer Sciences, allows two hours of working time. The test is administered only on the UT Austin campus.

Individuals who have received a score of 4 or 5 on the College Board Advanced Placement Examination in Computer Science AB, who do not have a passing or a failing grade in Computer Sciences 315, who have not taken the test previously, and others by permission from the Department of Computer Sciences undergraduate advisor are eligible to take this optional test.

Table 14
Credit by Examination in Computer Sciences 315: UT Austin
1991-1992

| Eligible for Credit | Test Scores Evaluated N | Test Scores Evaluated % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 0 | 0 | 0 |
| With grade of *B* | 0 | 0 | 0 |
| With grade of *C* | 0 | 0 | 0 |
| With credit | 8 | 53 | 24 |
| Total eligible | 8 | 53 | 24 |
| Not eligible | 7 | 47 | 0 |
| Total | 15 | 100 | 24 |

Table 15
Summary of Credit by Examination in Computer Sciences
1991-1992

| Test and Course | Test Scores Evaluated N | Test Scores Evaluated % | Test Scores Generating Eligibility N | Test Scores Generating Eligibility % | Semester Hours of Credit Eligibility N | Semester Hours of Credit Eligibility % |
|---|---|---|---|---|---|---|
| UT: CS 304P | 32 | 12 | 15 | 10 | 45 | 10 |
| AP: CS 304P | 231 | 83 | 125 | 84 | 375 | 84 |
| UT: CS 315 | 15 | 5 | 8 | 5 | 24 | 5 |
| Total | 278 | 100 | 148 | 99* | 444 | 99* |

* This figure differs from 100% because of rounding.

## ECONOMICS

Five different College Board tests are used to award credit by examination in the economics subject area: the CLEP Subject Examinations in Introductory Macroeconomics, Introductory Microeconomics, and Introductory Micro- and Macroeconomics plus the Advanced Placement Examinations in Macroeconomics and in Microeconomics.

The multiple choice CLEP Subject Examinations allow one hour and 30 minutes of working time. Individuals who have not taken these optional tests within the past six months and who have neither a passing nor a failing grade in the course(s) for which they are attempting to earn credit are eligible to take these tests.

The Advanced Placement Examination in Macroeconomics allows one hour for the multiple choice portion and 30 minutes for the free response portion. The same timing constraints apply to the AP Microeconomics.

During the 1991-1992 testing year, 580 economics test scores were evaluated. Of this total 369 test scores qualified for 1,248 semester hours of credit eligibility.

The Measurement and Evaluation Center administered 204 CLEP economics tests on the UT Austin campus during the 1991-1992 testing year. Eight CLEP scores and 367 AP scores were reported from national administrations.

Tables 16-20 present the numbers and percentages of test scores evaluated, grades awarded, and the semester hours for the five examinations. Table 21 summarizes the results of all credit by examination in economics during the time period.

Table 16
Credit by Examination in Economics 302: CLEP Introductory Macroeconomics
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 13 | 19 | 39 |
| With grade of *B* | 19 | 27 | 57 |
| With grade of *C* | 22 | 31 | 66 |
| Total eligible | 54 | 77 | 162 |
| Not eligible | 16 | 23 | 0 |
| Total | 70 | 100 | 162 |

Note. Score ranges: 63-80 = *A*, 55-62 = *B*, 48-54 = *C*, 20-47 = no credit.

Table 17
Credit by Examination in Economics 302: AP Macroeconomics
1991-1992

| AP Scores | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| 5 | 57 | 22 | 171 |
| 4 | 89 | 34 | 267 |
| 3, 2, 1 | 113 | 44 | 0 |
| Total | 259 | 100 | 438 |

Note. AP scores of 5 and 4 are awarded credit only. Scores of 3, 2, or 1 are not eligible for credit.

Table 18
Credit by Examination in Economics 303: CLEP Introductory Microeconomics
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 33 | 36 | 99 |
| With grade of *B* | 28 | 30 | 84 |
| With grade of *C* | 22 | 24 | 66 |
| Total eligible | 83 | 90 | 249 |
| Not eligible | 9 | 10 | 0 |
| Total | 92 | 100 | 249 |

Note. Score ranges: 61-80 = *A*, 54-60 = *B*, 47-53 = *C*, 20-46 = no credit.

Table 19
Credit by Examination in Economics 303: AP Microeconomics
1991-1992

| AP Scores | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| 5 | 14 | 13 | 42 |
| 4 | 24 | 22 | 72 |
| 3, 2, 1 | 70 | 65 | 0 |
| Total | 108 | 100 | 114 |

Note. AP scores of 5 and 4 are awarded credit only. Scores of 3, 2, or 1 are not eligible for credit.

Table 20
Credit by Examination in Economics 302 and 303:
CLEP Introductory Micro- and Macroeconomics
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 19 | 38 | 114 |
| With grade of *B* | 19 | 38 | 114 |
| With grade of *C* | 9 | 18 | 54 |
| Total eligible | 47 | 94 | 282 |
| Not eligible | 3 | 6 | 0 |
| Total | 50 | 100 | 282 |

Note. Score ranges: 61-80 = *A*, 54-60 = *B*, 47-53 = *C*, 20-46 = no credit.

Table 21
Summary of Credit by Examination in Economics
1991-1992

| Test and Course(s) | Test Scores Evaluated | | Test Scores Generating Eligibility | | Semester Hours of Credit Eligibility | |
|---|---|---|---|---|---|---|
| | N | % | N | % | N | % |
| ECO 302: | | | | | | |
| CLEP | 70 | 12 | 54 | 15 | 162 | 13 |
| AP | 259 | 45 | 146 | 40 | 438 | 35 |
| ECO 303: | | | | | | |
| CLEP | 92 | 16 | 83 | 22 | 249 | 20 |
| AP | 108 | 19 | 38 | 10 | 114 | 9 |
| ECO 302 and 303: | | | | | | |
| CLEP | 50 | 9 | 47 | 13 | 282 | 23 |
| Departmental | | | | | | |
| Miscellaneous | 1 | <1 | 1 | <1 | 3 | <1 |
| Total | 580 | 101* | 369 | 100 | 1,248 | 100 |

* This figure differs from 100% because of rounding.

## ENGLISH

Five tests are used to grant credit by examination in English at UT Austin. At the freshman level for English 306, the College Board Achievement Test in English Composition (ECT) and the College Board AP Examination in Language and Composition are used. At the sophomore level, English 316K, three other College Board examinations are used: the CLEP Subject Examinations in American Literature or English Literature and the AP Examination in Literature and Composition.

Tables 22-26 present results of each examination; Table 27 summarizes the results of credit by examination from all English tests during 1991-1992.

During this testing year 8,508 English test scores were evaluated. There were 3,624 tests with scores qualifying students for 10,872 semester hours of credit eligibility. The ECT produced the largest test volume: 6,626 test scores evaluated, 2,221 tests generating 6,663 hours of credit eligibility. The AP Examination in Literature and Composition ranked second in this comparison

with 1,096 tests evaluated and 864 eligible test scores producing 2,592 semester hours of credit eligibility.

The Measurement and Evaluation Center administered 3,945 English tests during this time period. The remaining 4,563 test scores were reported from national administrations.

English 306: *Rhetoric and Composition*

The College Board Achievement Test in English Composition allows one hour of working time. A score on this test is required before enrollment in English 306, the basic first-semester college English course.

The ECT is available in both institutional and national administrations. The Measurement and Evaluation Center administered 3,945 (59%) of these tests on the UT Austin campus during the 1991-1992 testing year. The remaining tests were given in national administrations.

Table 22 presents the 1991-1992 credit by examination results of both national and institutional administrations of the ECT. A total of 6,626 scores was evaluated during this time period; 2,221 of the tests merited 6,663 semester hours of credit eligibility.

Table 22
Credit by Examination in English 306: Achievement Test in English Composition
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 909 | 14 | 2,727 |
| With grade of *B* | 1,312 | 20 | 3,936 |
| Total eligible | 2,221 | 34 | 6,663 |
| Not eligible | 4,405 | 66 | 0 |
| Total | 6,626 | 100 | 6,663 |

Note. Score ranges: 610-800 = *A*, 550-609 = *B*, 200-549 = no credit.

The College Board Advanced Placement Examination in Language and Composition is a three-hour test divided into two portions; typically, an hour is allotted for the multiple-choice portion and two hours for the essay portion. A College Board rating of 5 on this examination creates eligibility for English 306 with the letter grade of *A*. A rating of 4 merits a letter grade of *B*, while a rating of 3 is awarded credit only. Scores of 2 and 1 are not eligible for credit.

Table 23 documents the results of the 744 scores on the AP Language and Composition examination during 1991-1992. A total of 518 of the tests merited 1,554 semester hours of credit eligibility in freshman English.

Table 23
Credit by Examination in English 306: AP English in Language and Composition
1991-1992

| AP Score | Test Scores Evaluated | Test Scores Generating Eligibility | Grade *A* | Grade *B* | *Credit* | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|---|
| 5 | 84 | 84 | 84 | -- | -- | 252 |
| 4 | 137 | 137 | -- | 137 | -- | 411 |
| 3 | 297 | 297 | -- | -- | 297 | 891 |
| 2, 1 | 226 | 0 | -- | -- | -- | 0 |
| Total | 744 | 518 | 84 | 137 | 297 | 1,554 |

English 316K: *American Literature*

The College Board CLEP Subject Examination in American Literature allows 90 minutes of working time on the objective portion. An additional 90 minutes of working time is allotted for the essay portion. The Department of English requires both the objective portion and the essay portion of this optional test.

Table 24
Credit by Examination in English 316K: CLEP American Literature
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 2 | 12 | 6 |
| With grade of *B* | 2 | 12 | 6 |
| With grade of *C* | 3 | 18 | 9 |
| Total eligible | 7 | 41* | 21 |
| Not eligible | 10 | 59 | 0 |
| Total | 17 | 100 | 21 |

* Because of rounding, this figure differs from that obtained by addition of the above three figures.

English 316K: *English Literature*

The College Board CLEP Subject Examination in English Literature allows 90 minutes of working time on the objective portion. The essay portion allots an additional 90 minutes of working time. The Department of English requires both the objective portion and the essay portion of this optional test.

Table 25
Credit by Examination in English 316K: CLEP English Literature
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 7 | 28 | 21 |
| With grade of *B* | 3 | 12 | 9 |
| With grade of *C* | 4 | 16 | 12 |
| Total eligible | 14 | 56 | 42 |
| Not eligible | 11 | 44 | 0 |
| Total | 25 | 100 | 42 |

English 316K: *Masterworks of Literature*

The College Board Advanced Placement Examination in Literature and Composition is a three-hour test divided into two portions; typically, an hour is allotted for the multiple-choice portion and two hours for the essay portion. A College Board rating of 5 awards a student credit in English 316K with an *A*. With a College Board rating of 4, a student may claim credit in English 316K with a *B*. A rating of 3 merits credit only. Scores of 2 and 1 are not eligible for credit.

Table 26 displays the results of the 1,096 scores for the AP English examination in Literature and Composition evaluated at UT Austin during 1991-1992. A total of 864 tests was eligible for credit with 2,592 semester hours of credit eligibility resulting from this national program.

Table 26
Credit by Examination in English 316K: AP English in Literature and Composition
1991-1992

| AP Score | Test Scores Evaluated | Test Scores Generating Eligibility | Grade *A* | Grade *B* | *Credit* | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|---|
| 5 | 137 | 137 | 137 | -- | -- | 411 |
| 4 | 217 | 217 | -- | 217 | -- | 651 |
| 3 | 510 | 510 | -- | -- | 510 | 1,530 |
| 2, 1 | 232 | 0 | -- | -- | -- | 0 |
| Total | 1,096 | 864 | 137 | 217 | 510 | 2,592 |

Table 27
Summary of Credit by Examination in English
1991-1992

| Test and Course | Test Scores Evaluated N | % | Test Scores Generating Eligibility N | % | Semester Hours of Credit Eligibility N | % |
|---|---|---|---|---|---|---|
| Achievement | 6,626 | 78 | 2,221 | 61 | 6,663 | 61 |
| AP | 744 | 9 | 518 | 14 | 1,554 | 14 |
| *Subtotal: E 306* | | | | | | |
| *Freshman* | *7,370* | *87* | *2,739* | *76* | *8,217* | *76** |
| CLEP | 42 | <1 | 21 | 1 | 63 | 1 |
| AP | 1,096 | 13 | 864 | 24 | 2,592 | 24 |
| *Subtotal: E 316K* | | | | | | |
| *Sophomore* | *1,138* | *13* | *885* | *24** | *2,655* | *24** |
| Total | 8,508 | 100 | 3,624 | 100 | 10,872 | 100 |

* Because of rounding, this figure differs from that obtained by addition of the above two figures.

## FRENCH

During the 1991-1992 testing year, three College Board examinations were used to award credit by examination in French at UT Austin: the CLEP Subject Examination in College French, and two Advanced Placement Examinations in French -- French Language and French Literature.

The CLEP Subject Examination in College French is divided into two sections -- a 60-minute reading portion and a 30-minute taped portion. Students who have not taken the test within the past six months are eligible to earn credit by examination by means of this test. The test is required of all students who have knowledge of French, who have no college credit in French, and who intend to enroll in a UT Austin French course. It is possible for students to earn credit for four courses in the major four-skills sequence: French 506--*First-Year French I*, French 507--*First-Year French II*, French 312K--*Second-Year French I: Four Skills*, and French 312L--*Second-Year French II: Four Skills (Literature)*.

During the 1991-1992 testing year, the Measurement and Evaluation Center administered 682 CLEP College French tests; one additional test score was reported from national administrations. Table 28 presents the results, by course, of those tests. The numbers generating credit, the letter grades, and the number of semester hours generated for a specific course are recorded. Data on the same tests are shown in a different format in Table 29 with results arranged by the combination of courses for which the students earned credit eligibility.

Table 28
Credit by Examination: CLEP College French
1991-1992
(Number of Test Scores Evaluated: 683)

| Course | Test Scores Generating Eligibility | Grade | | | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|
| | | *A* | *B* | *C* | |
| 506 | 434 | 285 | 90 | 59 | 2,170 |
| 507 | 271 | 116 | 67 | 88 | 1,355 |
| 312K | 172 | 100 | 42 | 30 | 516 |
| 312L | 110 | 57 | 30 | 23 | 330 |
| Total | -- | -- | -- | -- | 4,371 |

The 434 test scores that qualified for credit produced 4,371 semester hours of eligibility. The largest amount of credit eligibility was generated by scores on the 110 tests that merited credit for four French courses. This group earned 1,760 semester hours.

Table 29
Credit by Examination: CLEP College French
1991-1992

| Combination of Courses | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility N | % |
|---|---|---|---|---|
| 506, 507, 312K, 312L | 110 | 16 | 1,760 | 40 |
| 506, 507, 312K | 62 | 9 | 806 | 18 |
| 506, 507 | 99 | 14 | 990 | 23 |
| 506 | 163 | 24 | 815 | 19 |
| Total eligible | 434 | 64* | 4,371 | 100 |
| Not eligible | 249 | 36 | 0 | 0 |
| Total | 683 | 100 | 4,371 | 100 |

* Because of rounding, this figure differs from that obtained by addition of the above three figures.

Table 30
Placement System for Scores on the College Board CLEP Subject Examination in College French Received by the Measurement and Evaluation Center After September 7, 1989 - The University of Texas at Austin

| Composite Score | Course and Grade | | | | Register for |
|---|---|---|---|---|---|
| | 506 | 507 | 312K | 312L | |
| 67-80 | A | A | A | A | Upper Division Course |
| 63-66 | A | A | A | B | |
| 61-62 | A | A | A | C | |
| 60 | A | A | B | C | |
| 59 | A | A | B | | French 312L, 312M, 312N, or 310L |
| 57-58 | A | B | B | | |
| 55-56 | A | B | C | | |
| 54 | A | B | | | French 312K, 310K, or 610 |
| 49-53 | A | C | | | |
| 48 | A | | | | French 508K |
| 43-47 | B | | | | |
| 40-42 | C | | | | |
| | | | No Credit | | |
| 20-39 | | | | | French 506 or 604 |

The College Board AP Examination in French Language is approximately two hours and 30 minutes long. Listening and reading abilities are tested in the multiple-choice portion; the free-response portion evaluates writing and speaking skills.

A College Board rating of 5 on this examination qualifies a student for credit in the first four courses in the major sequence (French 506, 507, 312K, 312L), and in French 320E, and 120M -- all six courses with the letter grade of *A*. The student with a rating of 4 earns a grade of *A* for the first four courses and for French 320E. A rating of 3 qualifies the student for credit with *A*'s in the first three courses and a *B* for French 312L. The lower rating of 2 merits credit for French 506 and 507 with *A*'s for each course. A rating of 1 is not eligible for credit.

The results of the AP French Language are presented in Table 31. There were 76 test scores evaluated with 65 test scores qualifying for 989 semester hours of credit eligibility.

Table 31
Credit by Examination: AP French Language
1991-1992

| AP Score | Test Scores Evaluated | Test Scores Generating Eligibility | Courses 506, 507 | 312K, 312L | 320E | 120M | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|---|---|
| 5 | 9 | 9 | 9 | 9 | 9 | 9 | 180 |
| 4 | 11 | 11 | 11 | 11 | 11 | -- | 209 |
| 3 | 25 | 25 | 25 | 25 | -- | -- | 400 |
| 2 | 20 | 20 | 20 | -- | -- | -- | 200 |
| 1 | 11 | 0 | -- | -- | -- | -- | 0 |
| Total | 76 | 65 | 65 | 45 | 20 | 9 | 989 |

The College Board AP Examination in French Literature is approximately three hours long. The multiple-choice section is between 70 and 90 minutes in length; the free-response portion is between 90 and 100 minutes long.

A College Board rating of 5 or 4 on this examination qualifies a student for credit in the first four courses in the major sequence (French 506, 507, 312K, 312L), plus French 321L with the letter grade of *A*, and credit only for 320E. A rating of 3 qualifies the student for credit with *A*'s in the first three courses and a *B* for French 312L. The lower rating of 2 merits credit for French 506 and 507 with *A*'s for each course. A rating of 1 is not eligible for credit.

The results of the AP French Literature are presented in Table 32. The five scores meriting credit from the Literature examination generated 85 semester hours of credit eligibility.

Table 32
Credit by Examination: AP French Literature
1991-1992

| AP Score | Test Scores Evaluated | Test Scores Generating Eligibility | Courses 506, 507 | 312K, 312L | 321L | 320E | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|---|---|
| 5, 4 | 1 | 1 | 1 | 1 | 1 | 1 | 21 |
| 3 | 4 | 4 | 4 | 4 | -- | -- | 64 |
| 2 | 0 | 0 | 0 | -- | -- | -- | 0 |
| 1 | 0 | 0 | -- | -- | -- | -- | 0 |
| Total | 5 | 5 | 5 | 5 | 1 | 1 | 85 |

The 1991-1992 program of credit by examination in French is documented in Table 33, which shows the numbers and percentages of test scores evaluated, test scores generating eligibility, and semester hours of credit eligibility. The College Board CLEP Subject Examination in French had 434 test scores warranting credit; they produced 4,371 semester hour of credit eligibility. The 81 Advanced Placement Examinations included 70 with scores qualifying students for 1,074 semester hours of credit. Overall, 5,457 semester hours of credit eligibility were generated by 508 (66%) of the 768 tests.

Table 33
Summary of Credit by Examination in French
1991-1992

| Test | Test Scores Evaluated | | Test Scores Generating Eligibility | | Semester Hours of Credit Eligibility | |
|---|---|---|---|---|---|---|
| | N | % | N | % | N | % |
| CLEP | 683 | 89 | 434 | 85 | 4,371 | 80 |
| AP | 81 | 11 | 70 | 14 | 1,074 | 20 |
| Departmental: | | | | | | |
| Miscellaneous | 4 | 1 | 4 | 1 | 12 | <1 |
| Total | 768 | 101* | 508 | 100 | 5,457 | 100 |

* This figure differs from 100% because of rounding.

## GERMAN

During the 1991-1992 testing year, two College Board examinations were used to award credit by examination in German at UT Austin: the CLEP Subject Examination in College German -- with additional questions constructed by the Department of Germanic Languages -- and the Advanced Placement Examination in German Language.

The CLEP Subject Examination in College German is divided into two sections -- a 60-minute reading portion and a 30-minute taped listening portion; an additional 30 minutes is allowed for the UT Austin items. Students who have not taken the test within the past six months are eligible to attempt to earn credit by means of this test. It is required of all students who have knowledge of German, who have no college credit in German, and who intend to enroll in a UT Austin German course. It is possible for students to earn credit for the first four German courses: German 506--*First-Year German I*, German 507--*First-Year German II*, German 312K--*Second-Year German I*, and German 312L--*Second-Year German II* (each second-year course consists of readings in the humanities and social sciences).

During the 1991-1992 testing year, the Measurement and Evaluation Center administered 248 tests in CLEP College German; one score was reported from a national administration. Table 34

presents the results, by course, of those tests. The number of test scores generating credit, the letter grades, and the number of semester hours of credit eligibility generated for a specific course are recorded. Data on the same tests are shown in a different format in Table 35; the results are arranged by combination of courses for which credit was earned.

Table 34
Credit by Examination: CLEP College German
1991-1992
(Number of Test Scores Evaluated: 249)

| Course | Test Scores Generating Eligibility | Grade A | Grade B | Grade C | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|
| 506 | 144 | 65 | 55 | 24 | 720 |
| 507 | 41 | 20 | 20 | 1 | 205 |
| 312K | 19 | 14 | 3 | 2 | 57 |
| 312L | 15 | 11 | 3 | 1 | 45 |
| Total | -- | -- | -- | -- | 1,027 |

Table 35
Credit by Examination: CLEP College German
1991-1992

| Combination of Courses | Test Scores Evaluated N | Test Scores Evaluated % | Semester Hours of Credit Eligibility N | Semester Hours of Credit Eligibility % |
|---|---|---|---|---|
| 506, 507, 312K, 312L | 15 | 6 | 240 | 23 |
| 506, 507, 312K | 4 | 2 | 52 | 5 |
| 506, 507 | 22 | 9 | 220 | 21 |
| 506 | 103 | 41 | 515 | 50 |
| Total eligible | 144 | 58 | 1,027 | 99* |
| Not eligible | 105 | 42 | 0 | 0 |
| Total | 249 | 100 | 1,027 | 99* |

* This figure differs from 100% because of rounding.

The College Board AP examination in German Language is three hours long. Listening and reading abilities are tested in the multiple-choice portion; the free-response portion evaluates writing skills. A College Board rating of 5 on this examination qualifies a student for credit in the first four German courses (506, 507, 312K, 312L) and in German 328 -- all five courses with the letter grade of *A*. The student who earns a rating of 4 becomes eligible for credit in the first four courses, again with the grade of *A* for each course. A score of 3 qualifies a student for credit with *A*'s in the first three German courses, while a College Board rating of 2 earns *A*'s for only the first two German courses. A score of 1 does not qualify the student for any credit in German. During the 1991-1992 testing year 20 German Language AP scores were reported to UT Austin. Based on the eligible scores, 314 semester hours of credit eligibility were awarded.

Table 36
Credit by Examination: AP German Language
1991-1992

| AP Score | Test Scores Evaluated | Test Scores Generating Eligibility | Courses | | | | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|---|---|
| | | | 506, 507 | 312K | 312L | 328 | |
| 5 | 8 | 8 | 8 | 8 | 8 | 8 | 152 |
| 4 | 4 | 4 | 4 | 4 | 4 | -- | 64 |
| 3 | 6 | 6 | 6 | 6 | -- | -- | 78 |
| 2 | 2 | 2 | 2 | -- | -- | -- | 20 |
| 1 | 0 | 0 | -- | -- | -- | -- | 0 |
| Total | 20 | 20 | 20 | 18 | 12 | 8 | 314 |

Results of the 1991-1992 credit-by-examination program in German are documented in Table 37, which shows the numbers and percentages of test scores evaluated, test scores generating eligibility, and semester hours of credit eligibility. The College Board CLEP Subject Examination in German with the additional UT Austin items, administered by the Measurement and Evaluation Center, accounted for 89% of the test volume in German. On this test 144 scores warranted credit and produced 1,027 semester hours of credit eligibility -- 75% of the total of 1,374 semester hours in German.

Table 37
Summary of Credit by Examination in German
1991-1992

| Test | Test Scores Evaluated | | Test Scores Generating Eligibility | | Semester Hours of Credit Eligibility | |
|---|---|---|---|---|---|---|
| | N | % | N | % | N | % |
| CLEP | 249 | 89 | 144 | 82 | 1,027 | 75 |
| AP | 20 | 7 | 20 | 11 | 314 | 23 |
| Departmental: | | | | | | |
| Miscellaneous | 11 | 4 | 11 | 6 | 33 | 2 |
| Total | 280 | 100 | 175 | 99* | 1,374 | 100 |

* This figure differs from 100% because of rounding.

## GOVERNMENT

### Government 310L: *American Government*

Two College Board tests are used by the UT Austin Department of Government for credit by examination in Government 310L: the College-Level Examination Program Subject Examination in American Government and the Advanced Placement Examination in Government and Politics: United States. In addition to either test, a student must take the UT Austin Test for Credit in Texas Government, constructed locally by the department, before the composite score can be evaluated.

Eligible to take these optional examinations are individuals who have neither a passing nor a failing grade in Government 310L or its equivalent and have not taken the tests within the past six months.

During the 1991-1992 testing year 1,698 American Government scores were received for evaluation. The Measurement and Evaluation Center administered 1,412 CLEP American Government examinations; the remaining 26 CLEP scores were reported to the MEC from national administrations. There were 260 AP Examination scores evaluated during this time period.

Table 38
Credit by Examination in Government 310L: CLEP
American Government and UT Austin Items
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 608 | 42 | 1,824 |
| With grade of *B* | 328 | 23 | 984 |
| With grade of *C* | 250 | 17 | 750 |
| Total eligible | 1,186 | 82 | 3,558 |
| Not eligible | 252 | 18 | 0 |
| Total | 1,438 | 100 | 3,558 |

Table 39
Credit by Examination in Government: AP Government and
Politics, United States and UT Austin Items
1991-1992

| AP Score | Test Scores Evaluated | Test Scores Generating Eligibility | Grade *A* | *B* | *C* | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|---|
| 5 | 34 | 12 | 12 | 0 | 0 | 36 |
| 4 | 59 | 14 | 12 | 2 | 0 | 42 |
| 3 | 108 | 13 | 8 | 4 | 1 | 39 |
| 2 | 50 | 0 | 0 | 0 | 0 | 0 |
| 1 | 9 | 0 | 0 | 0 | 0 | 0 |
| Total | 260 | 39 | 32 | 6 | 1 | 117 |

Table 40
Summary of Credit by Examination in Government
1991-1992

| Test | Test Scores Evaluated | | Test Scores Generating Eligibility | | Semester Hours of Credit Eligibility | |
|---|---|---|---|---|---|---|
| | N | % | N | % | N | % |
| CLEP | 1,438 | 85 | 1,186 | 97 | 3,558 | 97 |
| AP | 260 | 15 | 39 | 3 | 117 | 3 |
| Total | 1,698 | 100 | 1,225 | 100 | 3,675 | 100 |

## HISTORY

Four different examinations are used at UT Austin to award credit by examination in history: the College Board Advanced Placement Examinations in European History and in American History and the UT Austin Tests for Credit in History 315K and History 315L.

History 309K: *Western Civilization in Medieval Times*
History 309L: *Western Civilization in Modern Times*

The College Board AP Examination in European History generally allows three hours of working time with one hour and 15 minutes for the multiple-choice section and one hour and 45 minutes for the free-response portion. For a College Board score of 5, a student is awarded credit for History 309K and 309L with the letter grade of *A* for each course. A score of 4 merits credit for both courses with the grade of *B*. Scores of 3, 2, or 1 are not eligible for credit.

Table 41 presents the results of scores from the College Board AP Examination in European History that were evaluated during 1991-1992. The numbers and percentages of test scores evaluated and test scores generating credit eligibility are shown, as well as the grades earned for both courses and the number of semester hours of credit eligibility generated. During this time period 135 scores were evaluated; 69 tests produced a total of 414 semester hours.

Table 41
Credit by Examination in History 309K and 309L:
AP European History
1991-1992

| AP Score | Test Scores Evaluated | Test Scores Generating Eligibility | Grade A | Grade B | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|
| 5 | 31 | 31 | 31 | -- | 186 |
| 4 | 38 | 38 | -- | 38 | 228 |
| 3, 2, 1 | 66 | 0 | -- | -- | 0 |
| Total | 135 | 69 | 31 | 38 | 414 |

History 315K: *The United States, 1492-1865*
History 315L: *The United States Since 1865*

The College Board AP Examination in American History generally allows three hours of working time with one hour and 15 minutes for the multiple-choice section and one hour and 45 minutes for the free-response portion. For a College Board score of 5, a student is awarded credit for History 315K and 315L with the letter grade of *A* for each course. A score of 4 merits credit for both courses with the grade of *B*. Scores of 3, 2, or 1 are not eligible for credit.

Table 42 presents the results of scores from the College Board AP Examination in American History that were evaluated during 1991-1992. The numbers and percentages of test scores evaluated and test scores generating credit eligibility are shown, as well as the grades earned for both courses and the number of semester hours of credit eligibility generated. During this time period 707 scores were evaluated; 261 tests produced a total of 1,566 semester hours.

Table 42
Credit by Examination in History 315K and 315L:
AP American History
1991-1992

| AP Score | Test Scores Evaluated | Test Scores Generating Eligibility | Grade A | Grade B | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|
| 5 | 65 | 65 | 65 | -- | 390 |
| 4 | 196 | 196 | -- | 196 | 1,176 |
| 3, 2, 1 | 446 | 0 | -- | -- | 0 |
| Total | 707 | 261 | 65 | 196 | 1,566 |

The UT Austin Tests for Credit in History 315K and 315L, constructed locally by the Department of History, are essay tests, each with three hours of working time allowed. These tests are administered only on the UT Austin campus. Eligible to take these optional tests are previously or currently enrolled students who have neither a passing nor a failing grade in the course for which they are attempting to earn credit.

Tables 43 and 44 show the results of these on-campus administrations during 1991-1992. The numbers and percentages of test scores evaluated, letter grades awarded, and semester hours of credit eligibility are presented.

Table 43
Credit by Examination in History 315K: UT Austin
1991-1992

| Eligible for Credit | Test Scores Evaluated N | Test Scores Evaluated % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 1 | 10 | 3 |
| With grade of *B* | 1 | 10 | 3 |
| With grade of *C* | 2 | 20 | 6 |
| Total eligible | 4 | 40 | 12 |
| Not eligible | 6 | 60 | 0 |
| Total | 10 | 100 | 12 |

Table 44
Credit by Examination in History 315L: UT Austin
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 2 | 8 | 6 |
| With grade of *B* | 3 | 13 | 9 |
| With grade of *C* | 8 | 33 | 24 |
| Total eligible | 13 | 54 | 39 |
| Not eligible | 11 | 46 | 0 |
| Total | 24 | 100 | 39 |

Table 45 presents the results of the credit-by-examination program in history for the 1991-1992 testing year. The College Board AP Examination in American History provided the largest amount of test volume in this subject; 707 test scores were reported to UT Austin from national administrations of this examination. Of the 876 scores evaluated, 347 yielded 2,031 semester hours of credit eligibility.

Table 45
Summary of Credit by Examination in History
1991-1992

| Test | Test Scores Evaluated N | % | Test Scores Generating Eligibility N | % | Semester Hours of Credit Eligibility N | % |
|---|---|---|---|---|---|---|
| AP: European | 135 | 15 | 69 | 20 | 414 | 20 |
| AP: American | 707 | 81 | 261 | 75 | 1,566 | 77 |
| UT | 34 | 4 | 17 | 5 | 51 | 3 |
| Total | 876 | 100 | 347 | 100 | 2,031 | 100 |

## LATIN

Three tests are used to award credit by examination in Latin at UT Austin: the UT Austin Test for Credit in Latin and the College Board Advanced Placement Examination in Latin (Vergil and Catullus-Horace).

Titles of the six courses in which credit can be earned are as follows: Latin 506--*First-Year Latin I*, Latin 507--*First-Year Latin II*, Latin 311--*Second-Year Latin I: Selected Roman Writers*, Latin 312K--*Second-Year Latin II: Vergil's* Aeneid, Latin 312M--*Second-Year Latin II: Prose*, and Latin 316--*Second-Year Latin II: Classical and Medieval Writers*.

On the UT Austin Test for Credit in Latin, a student may attempt to earn credit for any/all of the six courses listed above. A suggested time of three hours is given for this essay test; additional time may be used if necessary. Table 46 displays the results of this test during the 1991-1992 testing year. The table does not show all of the possible combinations of courses because no student earned credit in all of the courses; the table shows the credit eligibility actually earned.

Of the 11 Latin tests administered by the Measurement and Evaluation Center, 6 merited credit. A total of 46 semester hours of credit eligibility was generated by means of this locally constructed test.

Table 46
Credit by Examination in Latin: UT Austin
1991-1992

| Combination of Courses | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| 506, 507, 311 | 2 | 18 | 26 |
| 506 | 4 | 36 | 20 |
| Total eligible | 6 | 55* | 46 |
| Not eligible | 5 | 45 | 0 |
| Total | 11 | 100 | 46 |

* Because of rounding, this figure differs from that obtained by addition of the above two figures.

The annual AP Latin examinations have a common multiple-choice section that serves for either Latin test and two free-response sections -- one for the test on Vergil and one for the test on Catullus-Horace.

Credit for four Latin courses can be awarded for a satisfactory score on the AP Latin Vergil examination: Latin 506, 507, 311, and 312K. A College Board score of 5 or 4 on this test qualifies a student for credit for all four courses with the grade of *A*. A score of 3 allows a student credit eligibility with the grade of *A* for 506 and 507 and a grade of *B* for 311 and 312K. College Board scores of 2 and 1 are not awarded any credit.

Table 47 displays the results of the 1991-1992 evaluation of the AP Latin Vergil examination. Sixteen scores were received during this testing year. Eleven tests earned a total of 176 semester hours of credit eligibility. The other five scores did not merit credit.

Table 47
Credit by Examination in Latin:
AP Latin Vergil
1991-1992

| AP Score | Test Scores Evaluated | Test Scores Generating Eligibility | Courses 506, 507 | Courses 311, 312K | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|
| 5, 4 | 5 | 5 | 5 | 5 | 80 |
| 3 | 6 | 6 | 6 | 6 | 96 |
| 2, 1 | 5 | 0 | -- | -- | 0 |
| Total | 16 | 11 | 11 | 11 | 176 |

Credit for four Latin courses can be awarded for a satisfactory score on the AP Latin Catullus-Horace examination: Latin 506, 507, 311, and 316. A College Board score of 5 or 4 on this test qualifies a student for credit for all four courses with the grade of *A*. A score of 3 allows a student credit eligibility with the grade of *A* for 506 and 507 and a grade of *B* for 311 and 316. College Board scores of 2 and 1 are not awarded any credit.

Table 48 displays the results of the 1991-1992 evaluation of the AP Latin Catullus-Horace examination. Thirteen scores were received during this testing year. Twelve tests earned a total of 192 semester hours of credit eligibility. One score did not merit credit.

Table 48
Credit by Examination in Latin:
AP Latin Catullus-Horace
1991-1992

| AP Score | Test Scores Evaluated | Test Scores Generating Eligibility | Courses 506, 507 | Courses 311, 316 | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|
| 5, 4 | 5 | 5 | 5 | 5 | 80 |
| 3 | 7 | 7 | 7 | 7 | 112 |
| 2, 1 | 1 | 0 | -- | -- | 0 |
| Total | 13 | 12 | 12 | 12 | 192 |

Results of the total 1991-1992 credit-by-examination program in Latin are documented in Table 49, which shows the numbers and percentages of test scores evaluated, test scores generating credit eligibility, and semester hours of credit eligibility. Overall, 29 of the 40 Latin test scores evaluated generated 414 semester hours.

Table 49
Summary of Credit by Examination in Latin
1991-1992

| Test | Test Scores Evaluated | | Test Scores Generating Eligibility | | Semester Hours of Credit Eligibility | |
|---|---|---|---|---|---|---|
| | N | % | N | % | N | % |
| UT | 11 | 28 | 6 | 21 | 46 | 11 |
| AP | 29 | 73 | 23 | 79 | 368 | 89 |
| Total | 40 | 101* | 29 | 100 | 414 | 100 |

* This figure differs from 100% because of rounding.

## MANAGEMENT INFORMATION SYSTEMS

### Management Information Systems 310: *Introduction to Electronic Data Processing*

The UT Austin Test for Credit in MIS 310, constructed locally by faculty members of the UT Austin Department of Management Science and Information Systems, allows two and a half hours of working time. The test is administered only at the UT Austin campus.

Individuals who do not have a passing or a failing grade in MIS 310, who have credit for Mathematics 403K or its equivalent, and who have not taken the test previously are eligible to take this optional examination.

During the 1991-1992 testing year, the Measurement and Evaluation Center administered 17 MIS 310 tests. Fifteen of these tests qualified for 45 semester hours of credit eligibility.

Table 50
Summary of Credit by Examination in MIS 310
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 2 | 12 | 6 |
| With grade of *B* | 5 | 29 | 15 |
| With grade of *C* | 8 | 47 | 24 |
| Total eligible | 15 | 88 | 45 |
| Not eligible | 2 | 12 | 0 |
| Total | 17 | 100 | 45 |

## MATHEMATICS

### Mathematics 301: *College Algebra*

Two tests, in combination, are used by the UT Austin Department of Mathematics in its program of credit by examination in Mathematics 301. The College Board CLEP Subject Examination in College Algebra allows one hour and 30 minutes of working time. An additional hour of working time is allowed for the second test prepared locally by the department.

Individuals who have not taken the tests within the past six months and have neither a passing nor a failing grade or grade symbol for Mathematics 301 are eligible to take these optional tests.

The results of credit by examination in Mathematics 301 for the 1991-1992 testing year are recorded in Table 51, which shows the numbers and percentages of test scores evaluated; also reported are the letter grades and number of semester hours of credit eligibility. The Measurement and Evaluation Center administered 36 CLEP College Algebra tests; no scores were reported from national administrations. Twenty-one tests earned qualifying scores and produced 63 semester hours of credit eligibility.

Table 51
Credit by Examination in Mathematics 301: CLEP
College Algebra and UT Austin Items
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 12 | 33 | 36 |
| With grade of *B* | 4 | 11 | 12 |
| With grade of *C* | 5 | 14 | 15 |
| Total eligible | 21 | 58 | 63 |
| Not eligible | 15 | 42 | 0 |
| Total | 36 | 100 | 63 |

Note. Because eligibility for credit is not based on CLEP scores alone, no CLEP scores are listed.

Mathematics 305G: *Elementary Functions and Coordinate Geometry*

The UT Austin Department of Mathematics uses two College Board Achievement Tests for credit by examination in Mathematics 305G. The preferred test is Mathematics Level I, but Mathematics Level II may be used as an alternative. The Level I test is available in both institutional and national administrations; the Level II test is offered only through national administrations. Both tests allow one hour of working time.

Table 52 presents the results of the 1991-1992 testing year administrations, institutionally and nationally, of the Mathematics Achievement Tests, both Level I and Level II. Numbers and percentages of test scores evaluated are displayed along with the resulting number of letter grades and semester hours of credit eligibility.

The Measurement and Evaluation Center administered 3,837 of the Mathematics Achievement tests documented in this report. There were 2,853 scores from national administrations -- 2,050 scores for the Mathematics Level I test and 803 scores for the Mathematics Level II test. Overall, 6,690 scores from the Mathematics Achievement Tests were evaluated during the 1991-1992 testing year. A total of 3,537 test scores merited credit for Mathematics 305G, from which 10,611 semester hours of credit eligibility accrued.

Table 52
Credit by Examination in Mathematics 305G: Achievement Tests in Mathematics Level I and Mathematics Level II
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 833 | 12 | 2,499 |
| With grade of *B* | 1,374 | 21 | 4,122 |
| With grade of *C* | 1,330 | 20 | 3,990 |
| Total eligible | 3,537 | 53 | 10,611 |
| Not eligible | 3,153 | 47 | 0 |
| Total | 6,690 | 100 | 10,611 |

Note. Score ranges: 700-800 = *A*, 610-699 = *B*, 560-609 = *C*, 200-559 = no credit.

Mathematics 408C: *Differential and Integral Calculus*

The College Board CLEP Subject Examination in Calculus with Elementary Functions allows 90 minutes of working time. Individuals who have not taken the test within the past six months and have neither a passing nor a failing grade for Mathematics 408C are eligible to take this optional test.

Results from institutional and national administrations of the CLEP Calculus test for the 1991-1992 testing year are shown in Table 53. There were 86 calculus scores evaluated during this time period; 75 test scores accrued 300 semester hours of credit eligibility. The Measurement and Evaluation Center administered 74 of the examinations; twelve scores were reported from national administrations.

Table 53
Credit by Examination in Mathematics 408C:
CLEP Calculus with Elementary Functions
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 59 | 69 | 236 |
| With grade of *B* | 6 | 7 | 24 |
| With grade of *C* | 10 | 12 | 40 |
| Total eligible | 75 | 87* | 300 |
| Not eligible | 11 | 13 | 0 |
| Total | 86 | 100 | 300 |

* Because of rounding, this figure differs from that obtained by addition of the above three figures.

Note. Score ranges: 56-80 = *A*, 51-55 = *B*, 46-50 = *C*, 20-45 = no credit.

Mathematics 408C, 308K, and 308L: *Calculus*

Two College Board Advanced Placement Examinations are used in the credit-by-examination program for mathematics -- the Mathematics AP Examinations in Calculus AB and in Calculus BC. Each of these examinations allows three hours of working time. Each examination is divided into two sections: Section I consists of multiple-choice questions and Section II consists of problems requiring written solutions. Each section is allotted 90 minutes working time.

On the Calculus AB examination, College Board scores of 5 and 4 merit credit for Mathematics 408C with the letter grade of *A*. A score of 3 is awarded a *B* for the course; scores of 2 and 1 do not yield credit eligibility.

A summary of results from the College Board AP Examinations in Mathematics Calculus AB for 1991-1992 is presented in Table 54. On this examination, 672 scores were evaluated and 511 eligible test scores produced 2,044 semester hours of credit eligibility.

Table 54
Credit by Examination in Mathematics 408C:
AP Mathematics Calculus AB
1991-1992

| AP Score | Test Scores Evaluated | Test Scores Generating Eligibility | Grade | | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|
| | | | *A* | *B* | |
| 5, 4 | 297 | 297 | 297 | -- | 1,188 |
| 3 | 214 | 214 | -- | 214 | 856 |
| 2, 1 | 161 | 0 | -- | -- | 0 |
| Total | 672 | 511 | 297 | 214 | 2,044 |

Students have a choice in the mathematics courses they can accept if they qualify on the Calculus BC examination. The choices are shown below.

| College Board Score | UT Austin Courses and Grades | | |
|---|---|---|---|
| 5 | M 408C, *A* | or | M 308K, *A* and M 308L, *A* |
| 4 | M 408C, *A* | or | M 308K, *A* and M 308L, *B* |
| 3 | M 408C, *B* | or | M 308K, *B* and M 308L, *B* |

Students with scores of 5 - 3 may elect to take the UT Austin test over multivariate calculus, administered by the Department of Mathematics, for possible credit in M 408D.

A summary of results from the College Board AP Examinations in Mathematics Calculus BC for 1991-1992 is presented in Table 55. On this examination, with a test volume of 198, the Calculus BC examination produced 159 eligible scores and 636 semester hours.

Table 55
Credit by Examination in Mathematics 408C, or 308K and 308L:
AP Mathematics Calculus BC
1991-1992

| AP Score | Test Scores Evaluated | Test Scores Generating Eligibility | Grade A | Grade B | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|
| 5, 4 | 110 | 110 | 110 | -- | 440 |
| 3 | 49 | 49 | -- | 49 | 196 |
| 2, 1 | 39 | 0 | -- | -- | 0 |
| Total | 198 | 159 | 110 | 49 | 636 |

Note. Re scores from the Calculus BC examination, it is not known which course options the students elected to claim as credit by examination. Therefore, in this report, all Calculus BC scores are recorded arbitrarily under M 408C.

Results of the total UT Austin 1991-1992 credit-by-examination program in mathematics are documented in Table 56. Numbers and percentages are shown for test scores evaluated, test scores generating credit eligibility, and semester hours of credit eligibility. The College Board Achievement Tests in Mathematics Level I and Level II provided the largest portion of the mathematics test volume. During this time period 6,690 Achievement Test scores were evaluated. The 3,537 qualifying scores from these two tests generated 10,611 semester hours of credit eligibility.

Table 56
Summary of Credit by Examination in Mathematics
1991-1992

| Test and Course(s) | Test Scores Evaluated | | Test Scores Generating Eligibility | | Semester Hours of Credit Eligibility | |
|---|---|---|---|---|---|---|
| | N | % | N | % | N | % |
| CLEP: | | | | | | |
| M 301 | 36 | <1 | 21 | <1 | 63 | <1 |
| Achievement: | | | | | | |
| M 305G | 6,690 | 87 | 3,537 | 82 | 10,611 | 77 |
| CLEP: | | | | | | |
| M408C | 86 | 1 | 75 | 2 | 300 | 2 |
| AP (Calculus AB): | | | | | | |
| M408C | 672 | 9 | 511 | 12 | 2,044 | 15 |
| AP (Calculus BC): | | | | | | |
| M408C, or M308K and M308L | 198 | 3 | 159 | 4 | 636 | 5 |
| Departmental: | | | | | | |
| Miscellaneous | 28 | <1 | 27 | 1 | 98 | 1 |
| Total | 7,710 | 100 | 4,330 | 101* | 13,752 | 100 |

* This figure differs from 100% because of rounding.

## PHYSICS

Physics 302K and 302L: *General Physics*
Physics 102M and 102N: *General Physics Laboratory I and II*

Two College Board tests are used to award credit by Examination in Physics 302K, 302L, 102M and 102N: the College Board Achievement Test in Physics and the College Board Advanced Placement Examination in Physics B.

The College Board Achievement Test in Physics allows one hour of working time. This optional test is available both in institutional administrations on the UT Austin campus

and in College Board national administrations. Results from both types of administrations from the 1991-1992 testing year are presented in Table 57. The Measurement and Evaluation Center gave 37 Physics Achievement tests during this time period; the remaining 288 were reported to UT Austin from national administrations. On 190 of the 325 scores evaluated by the Measurement and Evaluation Center, students earned 1,520 semester hours of credit eligibility.

Table 57
Credit by Examination in Physics: Achievement Test in Physics
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 57 | 18 | 456 |
| With grade of *B* | 61 | 19 | 488 |
| With grade of *C* | 72 | 22 | 576 |
| Total eligible | 190 | 58* | 1,520 |
| Not eligible | 135 | 42 | 0 |
| Total | 325 | 100 | 1,520 |

* Because of rounding, this figure differs from that obtained by addition of the above three figures.

Note. Score ranges: 690-800 = *A*, 630-689 = *B*, 570-629 = *C*, 200-569 = no credit.

The College Board Advanced Placement Examination in Physics B is three hours in length; the time is divided equally between a multiple-choice section and a free-response section. This optional test is available through national administrations.

College Board scores of 5 and 4 qualify the student for credit eligibility in Physics 302K, 302L, 102M, and 102N with the letter grade of *A* in each course. A score of 3 merits credit for each of the four courses with the grade of *B*. Scores of 2 and 1 are not eligible for credit.

Table 58 shows the results for the AP Examination in Physics B during the 1991-1992 testing year. Numbers of test scores evaluated and test scores generating eligibility are shown, as well as the resultant letter grades and semester hours of credit eligibility. On 59 of the 72 scores evaluated by the Measurement and Evaluation Center, students earned 472 semester hours.

Table 58
Credit by Examination in Physics: AP Physics B
1991-1992

| AP Score | Test Scores Evaluated | Test Scores Generating Eligibility | Grade A | Grade B | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|
| 5, 4 | 34 | 34 | 34 | -- | 272 |
| 3 | 25 | 25 | -- | 25 | 200 |
| 2, 1 | 13 | 0 | -- | -- | 0 |
| Total | 72 | 59 | 34 | 25 | 472 |

Physics 302K and 102M: *General Physics*, or
Physics 303K and 103M: *Engineering Physics I*, or
Physics 301 and 101L: *Mechanics*, or
Physics 317K and 117M: *General Physics I*

During the 1991-1992 testing year, two tests were used to award credit by examination for the physics courses listed above: the College Board Advanced Placement Examination in Physics C: Mechanics and the UT Austin Test for Credit in Physics: Mechanics.

The choice of courses for which a student may earn credit by examination depends on which of the two tests the student takes and the resulting scores. The reader is referred to the Measurement and Evaluation Center's brochure, *Course Placement and Credit by Examination 1991-1992*, pages 15 and 21, for a detailed listing of course options.

The College Board AP Examination in Physics C: Mechanics allows 45 minutes of working time for the multiple-choice portion and 45 minutes for the free-response section. The UT Austin Test for Credit in Physics: Mechanics has the same time constraints.

Results from the 1991-1992 national and institutional administrations in Physics: Mechanics are documented in Table 59. The institutionally administered tests are shown in a single row. The nationally administered tests are displayed by College Board AP Examination ratings. This table does not report the students' selection of specific courses. Numbers of test scores evaluated and test scores generating credit are shown as well as the number of semester hours of credit eligibility.

The Measurement and Evaluation Center administered 32 tests in Physics: Mechanics. The remaining 72 scores were reported from national administrations of the AP Physics C: Mechanics examination. Overall, 104 scores were evaluated, with 69 scores generating 276 semester hours of credit.

Table 59
Credit by Examination in Physics: Mechanics
1991-1992

| Test | Test Scores Evaluated | Test Scores Generating Eligibility | Semester Hours of Credit Eligibility |
|---|---|---|---|
| UT | 32 | 6 | 24 |
| AP Physics C: Mechanics | | | |
| 5 | 11 | 11 | 44 |
| 4 | 30 | 30 | 120 |
| 3 | 22 | 22 | 88 |
| 2, 1 | 9 | 0 | 0 |
| Total | 104 | 69 | 276 |

Physics 302L and 102N: *General Physics*, or
Physics 303L and 103N: *Engineering Physics II*, or
Physics 316 and 116L: *Electricity and Magnetism*, or
Physics 317L and 117N: *General Physics II*

During the 1991-1992 testing year, two tests were used to award credit by examination for the physics courses listed above: the College Board Advanced Placement Examination in Physics C: Electricity and Magnetism and the UT Austin Test for Credit in Physics: Electricity and Magnetism.

The choice of courses for which a student may earn credit by examination depends on which of the two tests the student takes and the resulting scores. The reader is referred to the Measurement and Evaluation Center's brochure, *Course Placement and Credit by Examination 1991-1992*, pages 15 and 21, for a detailed listing of course options.

The College Board AP Examination in Physics C: Electricity and Magnetism allows 45 minutes of working time for the multiple-choice portion and 45 minutes for the free-

response section. The UT Austin Test for Credit in Physics: Electricity and Magnetism has the same time constraints.

Results from the 1991-1992 national and institutional administrations in Physics: Electricity and Magnetism are documented in Table 60. The institutionally administered tests are shown in a single row. The nationally administered tests are displayed by College Board AP Examination ratings. This table does not report the students' selection of specific courses. Numbers of test scores evaluated and test scores generating credit are shown as well as the number of semester hours of credit eligibility.

The Measurement and Evaluation Center administered 28 tests in Physics: Electricity and Magnetism. The remaining 52 scores were reported from national administrations of the College Board AP Physics C: Electricity and Magnetism examination. Overall, 80 scores were evaluated, with 43 scores generating 172 semester hours of credit.

Table 60
Credit by Examination in Physics: Electricity and Magnetism
1991-1992

| Test | Test Scores Evaluated | Test Scores Generating Eligibility | Semester Hours of Credit Eligibility |
|---|---|---|---|
| UT | 28 | 8 | 32 |
| AP Physics C: Electricity and Magnetism | | | |
| 5 | 10 | 10 | 40 |
| 4 | 17 | 17 | 68 |
| 3 | 8 | 8 | 32 |
| 2, 1 | 17 | 0 | 0 |
| Total | 80 | 43 | 172 |

Table 61 documents the results of credit by examination in physics during the 1991-1992 testing year. The College Board Achievement Test in Physics produced the majority of the volume -- 325 scores evaluated with a resulting 1,520 semester hours of credit eligibility.

Table 61
Summary of Credit by Examination in Physics
1991-1992

| Test | Test Scores Evaluated | | Test Scores Generating Eligibility | | Semester Hours of Credit Eligibility | |
|---|---|---|---|---|---|---|
| | N | % | N | % | N | % |
| Achievement | 325 | 56 | 190 | 53 | 1,520 | 62 |
| AP: Physics B | 72 | 12 | 59 | 16 | 472 | 19 |
| UT: Mechanics | 32 | 6 | 6 | 2 | 24 | 11 |
| AP: Physics C Mechanics | 72 | 12 | 63 | 17 | 252 | 10 |
| UT: Electricity and Magnetism | 28 | 5 | 8 | 2 | 32 | 1 |
| AP: Physics C Electricity and Magnetism | 52 | 9 | 35 | 10 | 140 | 6 |
| Total | 581 | 100 | 361 | 100 | 2,440 | 99* |

* This figure differs from 100% because of rounding.

## PSYCHOLOGY

### Psychology 301: *Introduction to Psychology*

The College Board College-Level Examination Program Subject Examination in General Psychology allows 90 minutes of working time. Individuals who have not taken the test within the past six months and have neither a passing nor a failing grade for Psychology 301 are eligible to take this optional test.

Table 62 presents the results of credit by examination in psychology during the 1991-1992 testing year. The Measurement and Evaluation Center administered 45 CLEP psychology examinations during this time; three scores were reported from national administrations. Thirty-nine qualifying test scores generated 117 semester hours of credit eligibility.

Table 62
Summary of Credit by Examination in Psychology
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 2 | 4 | 6 |
| With grade of *B* | 22 | 46 | 66 |
| With grade of *C* | 15 | 31 | 45 |
| Total eligible | 39 | 81 | 117 |
| Not eligible | 9 | 19 | 0 |
| Total | 48 | 100 | 117 |

Note. Score ranges: 65-80 = *A*, 55-64 = *B*, 47-54= *C*, 20-46 = no credit.

## RUSSIAN

The Department of Slavic Languages used the Russian Proficiency Test during the 1991-1992 testing year to award credit by examination in Russian at UT Austin.

The test is divided into two sections -- a 15-minute taped portion and a 30-minute reading portion, Eligible to take this test are individuals who have not taken the test previously. All students with previous knowledge of Russian who intend to enroll in a UT Austin Russian course are required to take the test.

Credit by examination can be earned for the following five lower-division courses: Russian 506--*First-Year Russian I*, Russian 507--*First-Year Russian II*, Russian 312K--*Second-Year Russian I*, Russian 312L--*Second-Year Russian II*, and Russian 218--*Practice in Spoken Russian I*.

Credit is based on a combination of test scores and the results of a personal interview with a faculty member in the Department of Slavic Languages. Credit is reported to the Measurement and Evaluation Center as students complete their interviews.

During the 1991-1992 testing year, the Measurement and Evaluation Center administered 33 Russian Proficiency Tests. Table 63 presents the results, by course, of those tests. The number

of test scores generating credit, the letter grades, and the number of semester hours of credit eligibility generated for a specific course are recorded. Data on the same tests are shown in a different format in Table 64; the results are arranged by combination of courses in which credit was generated.

Table 63
Credit by Examination: Russian Proficiency Test
1991-1992
(Number of Test Scores Evaluated: 33)

| Course | Test Scores Generating Eligibility | Grade A | B | C | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|
| 506 | 25 | 25 | 0 | 0 | 125 |
| 507 | 21 | 21 | 0 | 0 | 105 |
| 312K | 11 | 11 | 0 | 0 | 33 |
| 312L | 10 | 10 | 0 | 0 | 30 |
| 218 | 12 | 12 | 0 | 0 | 24 |
| Total | -- | -- | -- | -- | 317 |

Table 64
Credit by Examination: Russian Proficiency Test
1991-1992

| Combination of Courses | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility N | % |
|---|---|---|---|---|
| 506, 507, 312K, 312L, 218 | 7 | 21 | 126 | 40 |
| 506, 507, 312K, 312L | 3 | 9 | 48 | 15 |
| 506, 507, 312K | 1 | 3 | 13 | 4 |
| 506, 507, 218 | 5 | 15 | 60 | 19 |
| 506, 507 | 5 | 15 | 50 | 16 |
| 506 | 4 | 12 | 20 | 6 |
| Total eligible | 25 | 76* | 317 | 100 |
| Not eligible | 8 | 24 | 0 | 0 |
| Total | 33 | 100 | 317 | 100 |

* Because of rounding, this figure differs from that obtained by addition of the above seven figures.

Table 65
Summary of Credit by Examination in Russian
1991-1992

| Test | Test Scores Evaluated | | Test Scores Generating Eligibility | | Semester Hours of Credit Eligibility | |
|---|---|---|---|---|---|---|
| | N | % | N | % | N | % |
| Proficiency | 33 | 85 | 25 | 81 | 317 | 93 |
| Departmental: Miscellaneous | 6 | 15 | 6 | 19 | 25 | 7 |
| Total | 39 | 100 | 31 | 100 | 342 | 100 |

## SOCIOLOGY

### Sociology 302: *Introduction to the Study of Society*

The College Board College-Level Examination Program Subject Examination in Sociology allows 90 minutes of working time. Individuals who have not taken the test within the past six months and have neither a passing nor a failing grade in Sociology 302 or its equivalent are eligible to take this optional test.

During the 1991-1992 testing year, the Measurement and Evaluation Center administered 139 CLEP Sociology examinations on the UT Austin campus; 2 scores were reported to UT Austin from national administrations of the examination.

Table 66 presents the results of credit by examination in sociology during the time period under review. Numbers and percentages of test scores evaluated are recorded with the corresponding numbers of semester hours of credit eligibility. A total of 141 CLEP Sociology scores was evaluated; 129 scores qualified for 387 semester hours of credit eligibility.

Table 66
Summary of Credit by Examination in Sociology
1991-1992

| Eligible for Credit | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility |
|---|---|---|---|
| With grade of *A* | 53 | 38 | 159 |
| With grade of *B* | 38 | 27 | 114 |
| With grade of *C* | 38 | 27 | 114 |
| Total eligible | 129 | 91* | 387 |
| Not eligible | 12 | 9 | 0 |
| Total | 141 | 100 | 387 |

* Because of rounding, this figure differs from that obtained by addition of the above three figures.

Note. Score ranges: 64-80 = *A*, 59-63 = *B*, 53-58 = *C*, 20-52 = no credit.

## SPANISH

Three College Board examinations are used to award credit by examination in Spanish at UT Austin: the College Level Examination Program (CLEP) Subject Examination in College Spanish, and two Advanced Placement Examinations in Spanish -- Spanish Language and Spanish Literature.

The CLEP Subject Examination in College Spanish is divided into two sections -- a 45-minute reading portion and a 45-minute taped portion. Students who have not taken the test within the past six months are eligible to earn credit by examination by means of this test. The test is required of all students who have knowledge of Spanish, who have no college credit in Spanish, and who intend to enroll in a UT Austin Spanish course. It is possible for students to earn credit for the first four courses in the major four-skill sequence: Spanish 506--*First-Year Spanish I*, Spanish 507--*First-Year Spanish II*, Spanish 312K--*Second-Year Spanish I*, and Spanish 312L--*Second-Year Spanish II*.

During the 1991-1992 testing year, the Measurement and Evaluation Center administered 2,656 CLEP Subject Examinations in College Spanish; an additional 21 scores were reported from national administrations. Table 67 presents the results, by course, of those tests. The numbers generating credit, the letter grades, and the number of semester hours generated for a specific course are recorded. Data on the same tests are shown in a different format in Table 68 with results arranged by the combination of courses for which the students earned credit eligibility.

Table 67
Credit by Examination: CLEP Subject Examination in College Spanish.
1991-1992
(Number of Test Scores Evaluated: 2,677)

| Course | Test Scores Generating Eligibility | Grade A | Grade B | Grade C | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|
| 506 | 1,319 | 897 | 223 | 199 | 6,595 |
| 507 | 973 | 642 | 164 | 157 | 4,865 |
| 312K | 744 | 430 | 164 | 150 | 2,232 |
| 312L | 595 | 336 | 123 | 136 | 1,785 |
| Total | -- | -- | -- | -- | 15,477 |

The 1,319 tests on which students earned qualifying scores produced 15,477 semester hours of credit eligibility. The largest segment of this eligible test volume was the 595 that merited the maximum amount of credit eligibility (16 semester hours) available for successful performance on this test. This group earned 9,520 hours of credit.

Table 68
Credit by Examination: CLEP Subject Examination in College Spanish.
1991-1992

| Combination of Courses | Test Scores Evaluated N | % | Semester Hours of Credit Eligibility N | % |
|---|---|---|---|---|
| 506, 507, 312K, 312L | 595 | 22 | 9,520 | 62 |
| 506, 507, 312K | 149 | 6 | 1,937 | 13 |
| 506, 507 | 229 | 9 | 2.290 | 15 |
| 506 | 346 | 13 | 1,730 | 11 |
| Total eligible | 1,319 | 49* | 15,477 | 100* |
| Not eligible | 1,358 | 51 | 0 | 0 |
| Total | 2,677 | 100 | 15,477 | 100 |

* Because of rounding, this figure differs from that obtained by addition of the above four figures.

Table 69
Placement System for Scores on the College Board CLEP Subject Examination in College Spanish Received by the Measurement and Evaluation Center After April 1, 1987 - The University of Texas at Austin

| Composite Score | Course and Grade | | | | Register for |
|---|---|---|---|---|---|
| | 506 | 507 | 312K | 312L | |
| 71-80 | A | A | A | A | Spanish 315M, 315N, or 318 |
| 67-70 | A | A | A | B | |
| 66 | A | A | B | B | |
| 61-65 | A | A | B | C | |
| 59-60 | A | A | C | | Spanish 312L |
| 56-58 | A | B | C | | |
| 54-55 | A | B | | | Spanish 312K |
| 51-53 | A | C | | | |
| 49-50 | B | C | | | |
| 46-48 | B | No Credit | | | Spanish 508K |
| 43-45 | C | | | | |
| 20-42 | | | | | Spanish 508K or 506 |

The College Board AP Examination in Spanish Language consists of two sections. Listening and reading abilities are tested in the multiple-choice portion; the free-response portion evaluates writing and speaking skills.

A College Board rating of 5 on this examination qualifies a student for credit in the first four courses in Spanish (506, 507, 312K, 312L) and in Spanish 319 and 327 -- all six courses with the letter grade of *A*. The student with a rating of 4 earns a grade of *A* for the first four courses and *B*'s for Spanish 319 and 327. A rating of 3 qualifies the student for credit with *A*'s in the first four courses and with a grade of *B* in Spanish 319 . The rating of 2 merits credit in the first three Spanish courses with *A*'s for each course. A rating of 1 is not eligible for credit.

The results of the AP Spanish Language are presented in Table 70. A total of 243 test scores was evaluated, with 227 scores earning 4,463 semester hours of credit eligibility.

Table 70
Credit by Examination: AP Spanish Language
1991-1992

| AP Score | Test Scores Evaluated | Test Scores Generating Eligibility | Courses | | | | | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|---|---|---|
| | | | 506, 507 | 312K | 312L | 319 | 327 | |
| 5 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 1,430 |
| 4 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 990 |
| 3 | 87 | 87 | 87 | 87 | 87 | 87 | -- | 1,653 |
| 2 | 30 | 30 | 30 | 30 | -- | -- | -- | 390 |
| 1 | 16 | 0 | -- | -- | -- | -- | -- | 0 |
| Total | 243 | 227 | 227 | 227 | 197 | 197 | 110 | 4,463 |

The College Board AP Examination in Spanish Literature consists of two sections. The multiple-choice section tests aural comprehension, literary analysis and reading comprehension; the free-response portion covers the analysis of poetry, literary interpretation and analysis, in addition to skill in writing critical expository prose in Spanish.

A College Board rating of 5 on this examination qualifies a student for credit in the first four Spanish courses (506, 507, 312K, 312L) and in Spanish 315N and 327 -- all six courses with the letter grade of *A*. The student with a rating of 4 earns a grade of *A* for the first four courses and a grade of *B* in Spanish 315N and 327. A rating of 3 qualifies the student for credit with *A*'s in the first four courses and credit for Spanish 315N with a *B*. The lower rating of 2 merits credit in the first three courses with *A*'s for each course. A rating of 1 is not eligible for credit.

The results of the AP Spanish Literature are presented in Table 71. Twenty-one test scores were evaluated from the Spanish Literature Examination, all of which merited credit. A total of 411 semester hours of credit resulted from this test.

Table 71
Credit by Examination: AP Spanish Literature
1991-1992

| AP Score | Test Scores Evaluated | Test Scores Generating Eligibility | Courses | | | | | Semester Hours of Credit Eligibility |
|---|---|---|---|---|---|---|---|---|
| | | | 506, 507 | 312K | 312L | 315N | 327 | |
| 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 88 |
| 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 132 |
| 3 | 8 | 8 | 8 | 8 | 8 | 8 | -- | 152 |
| 2 | 3 | 3 | 3 | 3 | -- | -- | -- | 39 |
| 1 | 0 | 0 | -- | -- | -- | -- | -- | 0 |
| Total | 21 | 21 | 21 | 21 | 18 | 18 | 10 | 411 |

The 1991-1992 program of credit by examination in Spanish is documented in Table 72, which shows the numbers and percentages of test scores evaluated, test scores generating credit eligibility, and semester hours of credit eligibility. Scores on the College Board CLEP Subject Examination in Spanish accounted for 89% of the volume in the testing program in Spanish. On this test, 1,319 scores warranted credit. The successful CLEP scores produced 15,477 semester hours of credit eligibility -- 75% of the total of 20,517 semester hours.

Table 72
Summary of Credit by Examination in Spanish
1991-1992

| Test | Test Scores Evaluated | | Test Scores Generating Eligibility | | Semester Hours of Credit Eligibility | |
|---|---|---|---|---|---|---|
| | N | % | N | % | N | % |
| CLEP | 2,677 | 89 | 1,319 | 81 | 15,477 | 75 |
| AP | 264 | 9 | 248 | 15 | 4,874 | 24 |
| Department: | | | | | | |
| Miscellaneous | 54 | 2 | 54 | 3 | 166 | 1 |
| Total | 2,995 | 100 | 1,621 | 99* | 20,517 | 100 |

* This figure differs from 100% because of rounding.

## Summary

This report documents the results of UT Austin's program of credit by examination during the 1991-1992 testing year. The data present a basis for a comprehensive picture of the impact of the program on this campus. The examinations covered 48 subject areas taught in 31 departments/ divisions in eight colleges and schools of the University: Business Administration, Communication, Education, Engineering, Fine Arts, Liberal Arts, Natural Sciences, and Nursing.

Evaluation of 26,618 test scores is recorded in this report. Because many students took more than one test, the total number of tests exceeds the actual number of students who attempted to earn credit by examination.

On 14,367 (54%) of these tests, students achieved scores high enough to qualify for 72,776 semester hours of credit eligibility. No attempt is made in this report to document the semester hours of credit reported by the Measurement and Evaluation Center to the Registrar's office for this testing year.

Table 73 and Figure 1 display the results of tests in the 12 subjects in which the majority of the students were tested during 1991-1992: biology, chemistry, Chinese, economics, English, French, German, government, history, mathematics, physics, and Spanish. This table shows the numbers and percentages of test scores evaluated, test scores generating credit eligibility, and semester hours of credit eligibility generated in each area. Figure 1 compares test volume and semester hours generated among the same 12 subjects.

Those 12 subjects accounted for 25,820 examinations. That number represents 97% of the total test volume during 1991-1992, with all other subjects making up the remaining 3%. With satisfactory scores on 13,758 tests, those 12 high volume subjects also produced most of the credit eligibility generated by the program: 69,819 semester hours -- 96% of the total of 72,776.

Three subjects stand out as the ones in which students most often attempted to earn credit by examination: English and Spanish in the College of Liberal Arts and mathematics in the College of Natural Sciences. During the 1991-1992 testing year, 72% of the test scores evaluated were in those three subjects. In combination, those three subjects provided 67% of the test scores warranting credit eligibility, and the majority of semester hours of credit eligibility -- 62% of the total semester hours -- fell within these areas.

Table 73
Summary of Credit by Examination at UT Austin:
Test Volume and Credit Eligibility
1991-1992

| Subject | Test Scores Evaluated | | Test Scores Generating Credit Eligibility | | Semester Hours of Credit Eligibility | |
|---|---|---|---|---|---|---|
| | N | % | N | % | N | % |
| Biology | 383 | 1 | 247 | 2 | 1,572 | 2 |
| Chemistry | 1,147 | 4 | 669 | 5 | 2,225 | 3 |
| Chinese | 294 | 1 | 282 | 2 | 4,656 | 6 |
| Economics | 580 | 2 | 369 | 3 | 1,248 | 2 |
| English | 8,508 | 32 | 3,624 | 25 | 10,872 | 15 |
| French | 768 | 3 | 508 | 4 | 5,457 | 8 |
| German | 280 | 1 | 175 | 1 | 1,374 | 2 |
| Government | 1,698 | 6 | 1,225 | 9 | 3,675 | 5 |
| History | 876 | 3 | 347 | 2 | 2,031 | 3 |
| Mathematics | 7,710 | 29 | 4,330 | 30 | 13,752 | 19 |
| Physics | 581 | 2 | 361 | 3 | 2,440 | 3 |
| Spanish | 2,995 | 11 | 1,621 | 11 | 20,517 | 28 |
| *Subtotal* | *25,820* | *97** | *13,758* | *96** | *69,819* | *96* |
| All other subjects | 798 | 3 | 609 | 4 | 2,957 | 4 |
| Total | 26,618 | 100 | 14,367 | 100 | 72,776 | 100 |

* Because of rounding, this percentage differs from that obtained by addition of the above twelve figures.

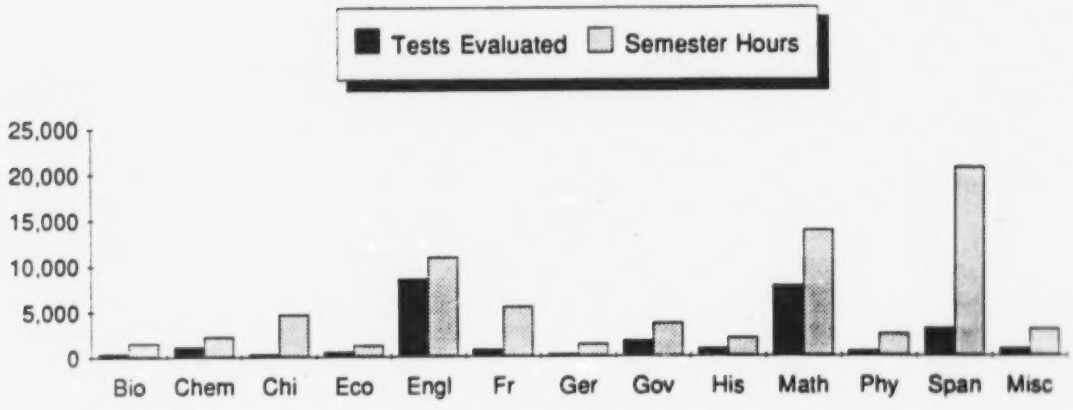


Figure 1. This figure displays test volume and semester hours of credit eligibility generated in the 12 major subject areas and in a miscellaneous category for all other subjects.

Table 74 compares results, by subject, from the 1991-1992 year with those from the 1990-1991 testing year. Numbers of test scores evaluated, test scores generating credit, and semester hours of credit eligibility are shown, as well as differences between the two years. The 12 subjects that generated the majority of the test volume are listed discretely; results of tests in all other subjects are combined.

The total of 26,618 test scores that were evaluated during the 1991-1992 testing year compared to a total of 23,748 during the preceding year -- a 12% increase in test population. At the same time, there was a 13% increase in the number of tests generating credit eligibility. The resulting number of semester hours of credit eligibility increased 5% -- 3,604 more hours.

In English, the largest subject area in test volume, there was an increase of 668 (9%) in the number of test scores evaluated during 1991-1992 and a 6% increase in the number of scores meriting credit. This increase of qualifying scores resulted in a corresponding 6% increase in the number of semester hours of credit eligibility earned.

Test scores evaluated in mathematics also experienced an increase over the two years. There were 721 (10%) more test scores evaluated during 1991-1992; there were 808 more qualifying scores and, as a consequence, the number of semester hours earned increased by 22%.

Spanish had a <1% decrease in its test population. Spanish scores generating credit decreased by 22%, and the number of semester hours earned by the successful students decreased by 3,500 (15%).

Table 74

Comparisons, by Subject, Including Numbers of Test Scores Evaluated, Test Scores Generating Eligibility, Semester Hours of Credit Eligibility, and Differences Between 1990-1991 and 1991-1992

| Subject | Test Scores Evaluated | | | | Test Scores Generating Eligibility | | | | Semester Hours of Credit Eligibility | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 90-91 N | 91-92 N | Differences N | % | 90-91 N | 91-92 N | Differences N | % | 90-91 N | 91-92 N | Differences N | % |
| Biology | 289 | 383 | 94 | 33% | 164 | 247 | 83 | 51% | 1,077 | 1,572 | 495 | 46% |
| Chemistry | 967 | 1,147 | 180 | 19% | 473 | 669 | 196 | 41% | 1,635 | 2,225 | 590 | 36% |
| Chinese | 265 | 294 | 29 | 11% | 245 | 282 | 37 | 15% | 4,075 | 4,656 | 581 | 14% |
| Economics | 119 | 580 | 461 | 387% | 99 | 369 | 270 | 273% | 375 | 1,248 | 873 | 233% |
| English | 7,840 | 8,508 | 668 | 9% | 3,404 | 3,624 | 220 | 6% | 10,212 | 10,872 | 660 | 6% |
| French | 728 | 768 | 40 | 5% | 497 | 508 | 11 | 2% | 5,167 | 5,457 | 290 | 6% |
| German | 313 | 280 | -33 | -11% | 199 | 175 | -24 | -12% | 1,597 | 1,374 | -223 | -14% |
| Government | 1,263 | 1,698 | 435 | 34% | 820 | 1,225 | 405 | 49% | 2,460 | 3,675 | 1,215 | 49% |
| History | 789 | 876 | 87 | 11% | 373 | 347 | -26 | -7% | 2,214 | 2,031 | -183 | -8% |
| Mathematics | 6,989 | 7,710 | 721 | 10% | 3,522 | 4,330 | 808 | 23% | 11,288 | 13,752 | 2,464 | 22% |
| Physics | 437 | 581 | 144 | 33% | 275 | 361 | 86 | 31% | 1,795 | 2,440 | 645 | 36% |
| Spanish | 3,001 | 2,995 | -6 | <1% | 2,069 | 1,621 | -448 | -22% | 24,017 | 20,517 | -3,500 | -15% |
| *Subtotal* | *23,000* | *25,820* | *2,820* | *12%* | *12,140* | *13,758* | *1,618* | *13%* | *65,912* | *69,819* | *3,907* | *6%* |
| All other subjects | 748 | 798 | 50 | 7% | 564 | 609 | 45 | 8% | 3,260 | 2,957 | -303 | -9% |
| Total | 23,748 | 26,618 | 2,870 | 12% | 12,704 | 14,367 | 1,663 | 13% | 69,172 | 72,776 | 3,604 | 5% |

In history there were 347 tests meriting credit -- a decrease of 7%, and a total of 2,031 semester hours of credit eligibility -- a decrease of 8%. Government saw a substantial 34% increase in test volume. The 1,225 government test scores generating credit, an increase of 49%, produced 3,675 semester hours of credit.

Chinese had an 11% increase in its test population. Chinese scores generating credit increased by 15%, and the number of semester hours earned by the successful students increased by 581 (14%).

Test volume in German decreased by 33 tests. The number of scores generating credit decreased 12%. There was a corresponding decrease in semester hours of credit eligibility -- 223 fewer hours for a total of 1,374 hours.

The subject area of economics showed the most dramatic change between the two testing years. The Advanced Placement Examinations in Economics were added to UT Austin's credit-by-examination program. There were 580 economics scores evaluated with 367 of those scores reported from the AP program. A total of 1,248 semester hours of credit eligibility was accrued from the 369 scores that merited credit.

Test volume in French showed a 5% increase, from 728 tests to 768. There were 11 more test scores that warranted credit, with a resulting total of 5,457 semester hours earned, an increase of 6%.

Chemistry had a 19% increase in test volume. There was a 41% increase in the number of scores meriting credit; a total of 2,225 semester hours of credit eligibility was produced, a 36% increase from the preceding year.

Test volume increased by 94 in biology; 83 more tests generated credit. There was a 46% increase in the number of semester hours of credit eligibility earned in 1991-1992.

Physics showed a 33% increase in test volume, a 31% increase in test scores generating credit, and a 36% increase in the number of semester hours earned by the students.

Tests in all other subjects combined gained 7% in test volume, with 609 scores producing a total of 2,957 semester hours of credit eligibility or a 9% decrease from the previous year.

Both Table 75 and Figure 2 provide a five-year summary of credit by examination at UT Austin. Numbers for test scores evaluated and semester hours of credit eligibility are recorded for the years 1987-1988 through 1991-1992. In Table 75, the 12 largest volume subjects are shown individually with all other subjects merged. There was a continued increase in the test volume over the first two years, a decrease in the third and fourth years followed by an increase in the fifth

year. The number of semester hours climbed to a high in 1988-1989, fell slightly in 1989-1990, had a more substantial decrease in 1990-1991, then rose in 1991-1992.

Table 75

Five-Year Summary of Credit by Examination at UT Austin: Numbers of Test Scores Evaluated and Semester Hours of Credit Eligibility, 1987-1992

| Subject | 1987-1988 | | 1988-1989 | | 1989-1990 | | 1990-1991 | | 1991-1992 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Test Scores | Semester Hours of Credit | Test Scores | Semester Hours of Credit | Test Scores | Semester Hours of Credit | Test Scores | Semester Hours of Credit | Test Scores | Semester Hours of Credit |
| Biology | 238 | 987 | 304 | 1,143 | 295 | 1,293 | 289 | 1,077 | 383 | 1,572 |
| Chemistry | 739 | 1,017 | 845 | 1,245 | 788 | 1,234 | 967 | 1,635 | 1,147 | 2,225 |
| Chinese | 235 | 3,990 | 287 | 4,737 | 243 | 3,956 | 265 | 4,075 | 294 | 4,656 |
| Economics | 122 | 465 | 114 | 357 | 120 | 384 | 119 | 375 | 580 | 1,248 |
| English | 9,254 | 11,232 | 10,565 | 13,911 | 9,713 | 12,483 | 7,840 | 10,212 | 8,508 | 10,872 |
| French | 1,013 | 6,767 | 1,132 | 7,291 | 1,015 | 7,201 | 728 | 5,167 | 768 | 5,457 |
| German | 383 | 1,955 | 416 | 1,896 | 401 | 2,013 | 313 | 1,597 | 280 | 1,374 |
| Government | 938 | 2,148 | 1,049 | 2,082 | 1,130 | 2,274 | 1,263 | 2,460 | 1,698 | 3,675 |
| History | 645 | 1,803 | 761 | 2,190 | 788 | 2,166 | 789 | 2,214 | 876 | 2,031 |
| Mathematics | 8,612 | 12,142 | 9,583 | 13,633 | 8,924 | 13,626 | 6,989 | 11,288 | 7,710 | 13,752 |
| Physics | 489 | 1,912 | 562 | 2,280 | 580 | 2,420 | 437 | 1,795 | 581 | 2,440 |
| Spanish | 2,949 | 23,092 | 3,472 | 25,674 | 3,147 | 25,456 | 3,001 | 24,017 | 2,995 | 20,517 |
| *Subtotal* | *25,617* | *67,510* | *29,090* | *76,439* | *27,144* | *74,506* | *23,000* | *65,912* | *25,820* | *69,819* |
| All other subjects | 573 | 2,252 | 608 | 2,789 | 685 | 2,139 | 748 | 3,260 | 798 | 2,957 |
| Total | 26,190 | 69,762 | 29,698 | 79,228 | 27,829 | 76,645 | 23,748 | 69,172 | 26,618 | 72,776 |

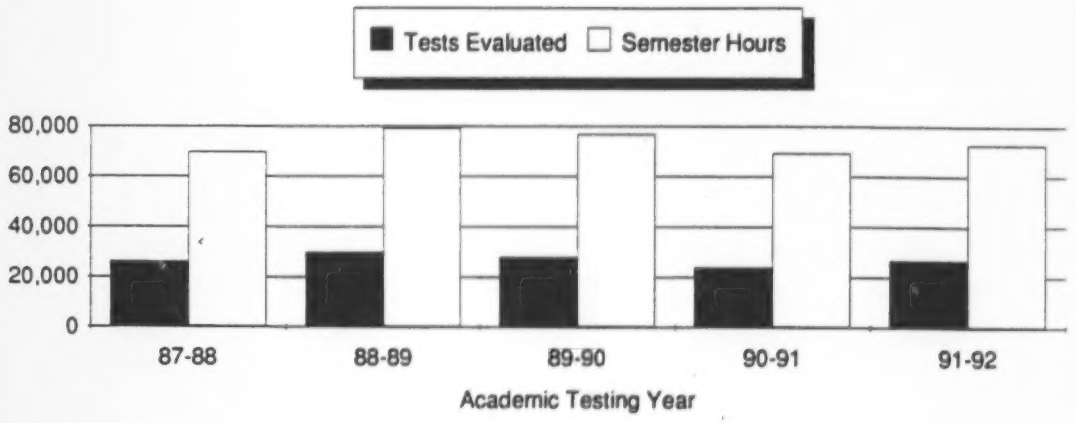


Figure 2. This figure provides a five-year summary of the results of the credit-by-examination program at UT Austin from academic years 1987-1988 through 1991-1992.

The activity in UT Austin's credit-by-examination program over a ten-year time span, 1982-1983 to 1991-1992, is depicted in Figure 3. This figure displays the number of test scores evaluated and the resulting number of semester hours of credit eligibility. The number of tests evaluated was 21,080 in 1982-1983; that number rose to 29,698 in 1988-1989 and decreased to 23,748 in 1990-1991. During 1991-1992, the number of tests evaluated increased to 26,618. The semester hours of credit eligibility generated by qualifying scores followed somewhat the same pattern -- from 49,551 semester hours in 1982-1983, rising to 79,228 hours in 1988-1989, then a decrease to 69,172 semester hours in 1990-1991 with an increase to 72,776 in 1991-1992.

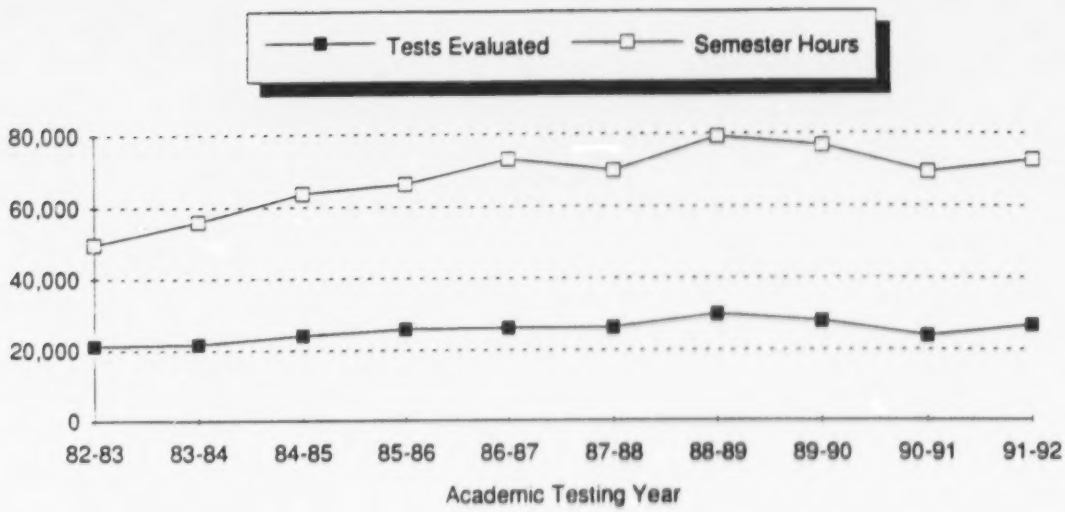


Figure 3. This figure shows the activity in the program of credit by examination at UT Austin over a ten-year period from 1982-1983 through 1991-1992.

In Tables 76-83, the results of examinations in the eight colleges and schools are presented separately. Each table in this series shows the subject areas as well as the numbers and percentages of test scores evaluated, test scores generating credit eligibility, and semester hours of credit eligibility. Table 84 summarizes, alphabetically by college and school, the data from the eight tables.

The College of Liberal Arts ranked first in test volume with 16,382 tests -- 62% of the total volume of 26,618 tests and 71% of the total number of 72,776 semester hours of credit eligibility. Since test scores from two of the largest subject areas, English and Spanish, were recorded in the College of Liberal Arts, it follows that the majority of the test scores evaluated during the year were in this college. The 10,101 tests in the College of Natural Sciences placed it in second rank; 20,436 semester hours of credit eligibility accrued. The number of examinations in mathematics is largely responsible for this high test volume.

Table 76
College of Business Administration
Summary, by Subject, of Credit by Examination
1991-1992

| Subject | Test Scores Evaluated N | % | Test Scores Generating Eligibility N | % | Semester Hours of Credit Eligibility N | % |
|---|---|---|---|---|---|---|
| Business Communication | 1 | 5 | 1 | 6 | 3 | 6 |
| Management Information Systems | 17 | 89 | 15 | 88 | 45 | 88 |
| Statistics | 1 | 5 | 1 | 6 | 3 | 6 |
| Total | 19 | 99* | 17 | 100 | 51 | 100 |

* This figures differs from 100% because of rounding.

Table 77
College of Communication
Summary, by Subject, of Credit by Examination
1991-1992

| Subject | Test Scores Evaluated N | % | Test Scores Generating Eligibility N | % | Semester Hours of Credit Eligibility N | % |
|---|---|---|---|---|---|---|
| Journalism | 8 | 100 | 8 | 100 | 24 | 100 |
| Total | 8 | 100 | 8 | 100 | 24 | 100 |

Table 78
College of Education
Summary, by Subject, of Credit by Examination
1991-1992

| Subject | Test Scores Evaluated N | % | Test Scores Generating Eligibility N | % | Semester Hours of Credit Eligibility N | % |
|---|---|---|---|---|---|---|
| Curriculum and Instruction | 2 | 67 | 2 | 67 | 6 | 86 |
| Kinesiology | 1 | 33 | 1 | 33 | 1 | 14 |
| Total | 3 | 100 | 3 | 100 | 7 | 100 |

Table 79
College of Engineering
Summary, by Subject, of Credit by Examination
1991-1992

| Subject | Test Scores Evaluated | | Test Scores Generating Eligibility | | Semester Hours of Credit Eligibility | |
|---|---|---|---|---|---|---|
| | N | % | N | % | N | % |
| Electrical Engineering | 1 | 33 | 1 | 33 | 3 | 38 |
| Engineering Mechanics | 1 | 33 | 1 | 33 | 3 | 38 |
| Mechanical Engineering | 1 | 33 | 1 | 33 | 2 | 25 |
| Total | 3 | 99* | 3 | 99* | 8 | 101* |

* This figures differs from 100% because of rounding.

Table 80
College of Fine Arts
Summary, by Subject, of Credit by Examination
1991-1992

| Subject | Test Scores Evaluated | | Test Scores Generating Eligibility | | Semester Hours of Credit Eligibility | |
|---|---|---|---|---|---|---|
| | N | % | N | % | N | % |
| Art | 39 | 67 | 24 | 56 | 72 | 56 |
| Drama | 10 | 17 | 10 | 23 | 29 | 23 |
| Music | 9 | 16 | 9 | 21 | 27 | 21 |
| Total | 58 | 100 | 43 | 100 | 128 | 100 |

Table 81
College of Liberal Arts
Summary, by Subject, of Credit by Examination
1991-1992

| Subject | Test Scores Evaluated N | % | Test Scores Generating Eligibility N | % | Semester Hours of Credit Eligibility N | % |
|---|---|---|---|---|---|---|
| Arabic | 5 | <1 | 5 | <1 | 15 | <1 |
| Chinese | 294 | 2 | 282 | 3 | 4,656 | 9 |
| Classical Civilization | 1 | <1 | 1 | <1 | 3 | <1 |
| Danish | 2 | <1 | 2 | <1 | 10 | <1 |
| Dutch | 1 | <1 | 1 | <1 | 5 | <1 |
| Economics | 580 | 4 | 369 | 4 | 1,248 | 2 |
| English | 8,508 | 52 | 3,624 | 43 | 10,872 | 21 |
| French | 768 | 5 | 508 | 6 | 5,457 | 11 |
| German | 280 | 2 | 175 | 2 | 1,374 | 3 |
| Government | 1,698 | 10 | 1,225 | 14 | 3,675 | 7 |
| Greek | 2 | <1 | 2 | <1 | 8 | <1 |
| Hebrew | 13 | <1 | 13 | <1 | 65 | <1 |
| Hindi | 30 | <1 | 30 | <1 | 177 | <1 |
| History | 876 | 5 | 347 | 4 | 2,031 | 4 |
| Italian | 7 | <1 | 7 | <1 | 31 | <1 |
| Japanese | 21 | <1 | 20 | <1 | 80 | <1 |
| Latin | 40 | <1 | 29 | <1 | 414 | 1 |
| Norwegian | 5 | <1 | 5 | <1 | 25 | <1 |
| Malayalam | 2 | <1 | 2 | <1 | 7 | <1 |
| Persian | 8 | <1 | 8 | <1 | 38 | <1 |
| Portuguese | 10 | <1 | 10 | <1 | 38 | <1 |
| Psychology | 48 | <1 | 39 | <1 | 117 | <1 |
| Russian | 39 | <1 | 31 | <1 | 342 | <1 |
| Sanskrit | 1 | <1 | 1 | <1 | 5 | <1 |
| Serbo-Croatian | 2 | <1 | 2 | <1 | 6 | <1 |
| Sociology | 141 | 1 | 129 | 2 | 387 | 1 |
| Spanish | 2,995 | 18 | 1,621 | 19 | 20,517 | 40 |
| Swedish | 4 | <1 | 4 | <1 | 20 | <1 |
| Turkish | 1 | <1 | 1 | <1 | .5 | <1 |
| Total | 16,382 | 99* | 8,493 | 97* | 51,628 | 99* |

* This figure differs from 100% because of rounding.

Table 82
College of Natural Sciences
Summary, by Subject, of Credit by Examination
1991-1992

| Subject | Test Scores Evaluated | | Test Scores Generating Eligibility | | Semester Hours of Credit Eligibility | |
|---|---|---|---|---|---|---|
| | N | % | N | % | N | % |
| Astronomy | 1 | <1 | 0 | 0 | 0 | 0 |
| Biology | 383 | 4 | 247 | 4 | 1,572 | 8 |
| Chemistry | 1,147 | 11 | 669 | 12 | 2,225 | 11 |
| Computer Sciences | 278 | 3 | 148 | 3 | 444 | 2 |
| Home Economics | 1 | <1 | 1 | <1 | 3 | <1 |
| Mathematics | 7,710 | 76 | 4,330 | 75 | 13,752 | 67 |
| Physics | 581 | 6 | 361 | 6 | 2,440 | 12 |
| Total | 10,101 | 100 | 5,756 | 100 | 20,436 | 100 |

Table 83
School of Nursing
Summary, by Subject, of Credit by Examination
1991-1992

| Subject | Test Scores Evaluated | | Test Scores Generating Eligibility | | Semester Hours of Credit Eligibility | |
|---|---|---|---|---|---|---|
| | N | % | N | % | N | % |
| Nursing | 44 | 100 | 44 | 100 | 494 | 100 |
| Total | 44 | 100 | 44 | 100 | 494 | 100 |

Table 84
Summary, by College/School, of Credit by Examination
1991-1992

| College/School | Test Scores Evaluated N | % | Test Scores Generating Eligibility N | % | Semester Hours of Credit Eligibility N | % |
|---|---|---|---|---|---|---|
| Business Administration | 19 | <1 | 17 | <1 | 51 | <1 |
| Communication | 8 | <1 | 8 | <1 | 24 | <1 |
| Education | 3 | <1 | 3 | <1 | 7 | <1 |
| Engineering | 3 | <1 | 3 | <1 | 8 | <1 |
| Fine Arts | 58 | <1 | 43 | <1 | 128 | <1 |
| Liberal Arts | 16,382 | 62 | 8,493 | 59 | 51,628 | 71 |
| Natural Sciences | 10,101 | 38 | 5,756 | 40 | 20,436 | 28 |
| Nursing | 44 | <1 | 44 | <1 | 494 | 1 |
| Total | 26,618 | 100 | 14,367 | 99* | 72,776 | 100 |

* This figures differs from 100% because of rounding.

Table 85 is ordered by testing category; it shows numbers and percentages of test scores evaluated, test scores generating credit eligibility, and semester hours of credit eligibility. The percentages in Table 85 and in Figure 4 compare the data in each category to the results of the testing program as a whole.

Obvious differences exist in the five testing categories covered by this report. First, institutional administrations considerably outnumbered the other four categories; its 14,951 tests were responsible for 56% of the test volume documented this year. This category was also the source of the highest percentage (58%) of credit eligibility generated in all five categories of UT Austin's program of credit by examination. Credit eligibility was established by 7,497 institutional examinations, which represented 52% of the total of 14,367 qualifying test scores.

Score reports from national administrations of two College Board programs comprised the majority of the remaining tests evaluated during the 1991-1992 testing year. There were 5,468 Advanced Placement Examination scores evaluated of which 3,551 merited credit eligibility with 19,284 semester hours accrued. The 5,822 Achievement test scores reported produced 2,960 scores warranting credit and 9,725 semester hours of credit eligibility.

Table 85
Summary, by Testing Category, of Credit by Examination
1991-1992

| Testing Category | Test Scores Evaluated | | Test Scores Generating Eligibility | | Semester Hours of Credit Eligibility | |
|---|---|---|---|---|---|---|
| | N | % | N | % | N | % |
| Institutional Administrations | 14,951 | 56 | 7,497 | 52 | 41,942 | 58 |
| Departmental Administrations | 303 | 1 | 298 | 2 | 1,464 | 2 |
| National Administrations of CLEP Subject Examinations | 74 | <1 | 61 | <1 | 361 | <1 |
| National Administrations of AP Examinations | 5,468 | 21 | 3,551 | 25 | 19,284 | 27 |
| National Administrations of Achievement Tests | 5,822 | 22 | 2,960 | 21 | 9,725 | 13 |
| Total | 26,618 | 100 | 14,367 | 100 | 72,759 | 100 |

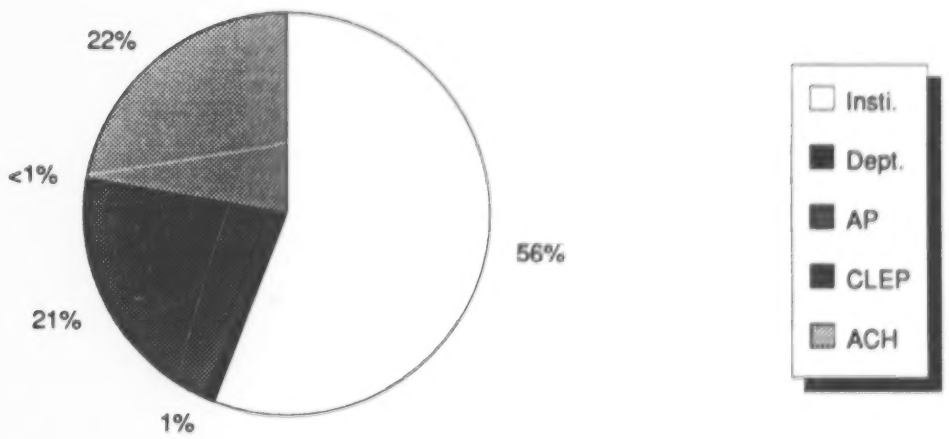


Figure 4. This figure shows the percentages of test scores evaluated by the Measurement and Evaluation Center during 1991-1992 in the five categories of test administration.

Figure 5 presents the percentages of test scores generating credit eligibility within each category of test administration. For example, 298 test scores, or 98% of the 303 scores, from departmentally-administered individual tests merited credit eligibility. On scores from national administrations of the CLEP Subject Examinations, 82% did so. National administrations of the Advanced Placement Examinations ranked third, with 65% of those test scores generating credit. National administrations of College Board Achievement Tests and tests from institutional administrations resulted in lower rates of successful performance: 51% and 50%, respectively.

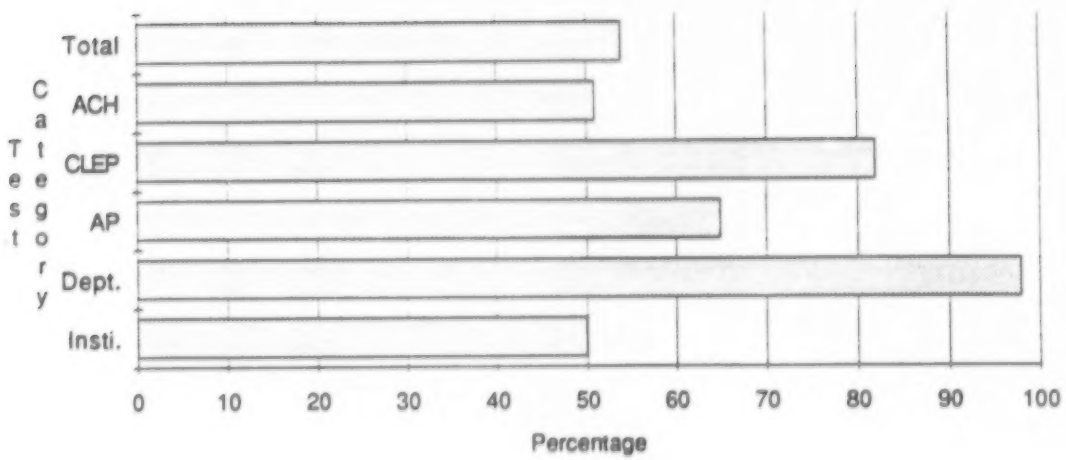


Figure 5. This figure indicates the percentages of test scores generating credit eligibility in the 1991-1992 testing program; the percentages are given within each category of test administration.